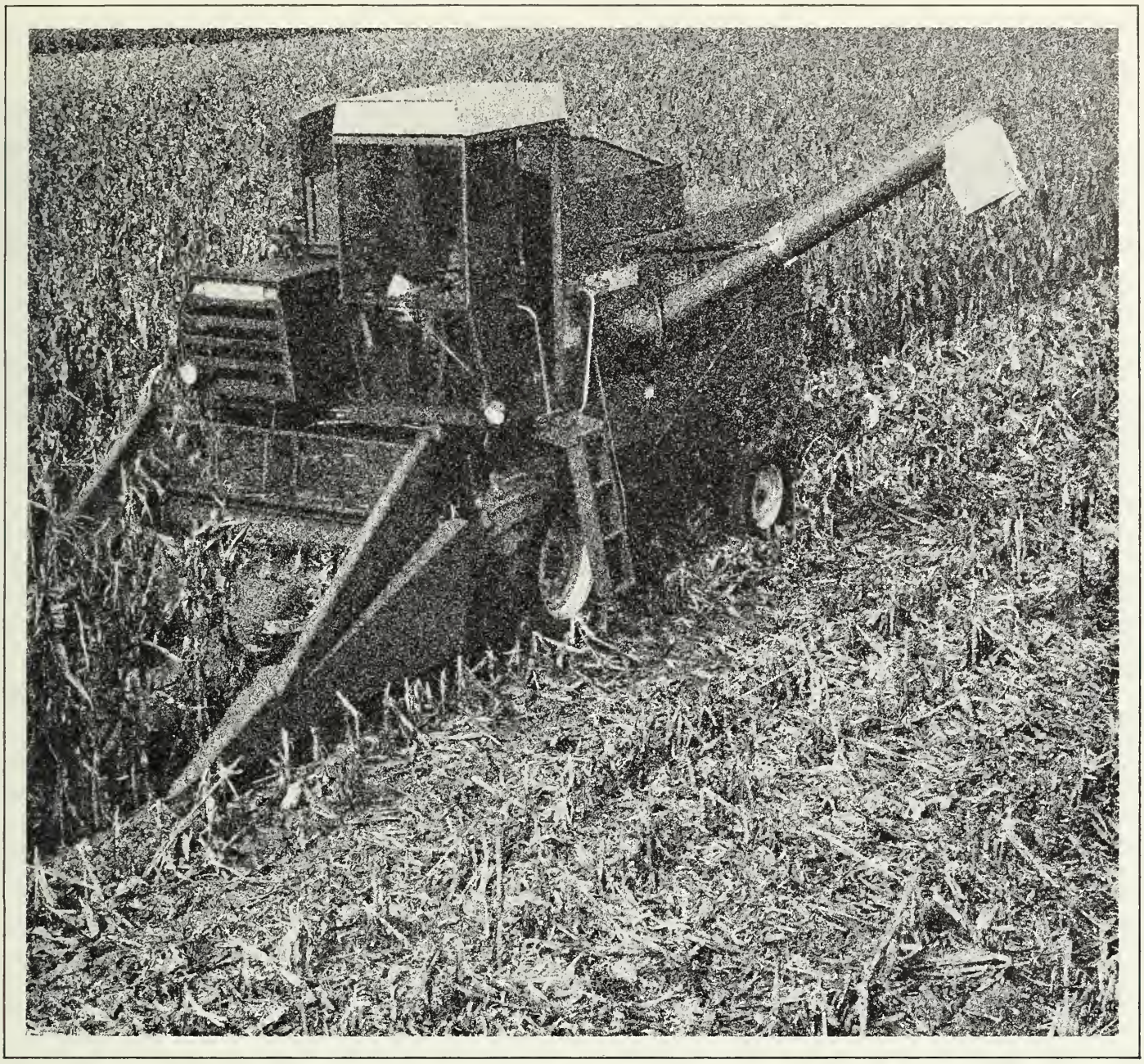

1977 PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS

Circular 1153 / University of Illinois at Urbana-Champaign
College of Agriculture / Cooperative Extension Service

CONTENTS

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Urbana, Illinois January, 1978

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PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 1977

(With 1975 and 1976 Listings)

Corn Yields in Illinois in 1977 are estimated to average 109 bushels per acre. The 504 varieties over 11 locations in the state reported in this circular averaged 113 bushels per acre. The 1977 state yield was up 2 percent from 1976, and the trials reported in this circular were down 18 percent from 1976.

A dry April and May resulted in many fields being planted in late April and early May. Northern Illinois had a near perfect growing season with adequate rainfall throughout the season. Hot, dry weather in western Illinois during midsummer resulted in poor pollination. Eastern and southern Illinois experienced a near normal growing season with only brief periods of inadequate rainfall.

The large variations in yields among varieties in the 1977 test may be attributed largely to one or more of the following factors: (1) stalk rot, which caused severe lodging in some varieties of the Dixon Springs tests; (2) northern and western corn rootworms, which caused lodging problems at the DeKalb, Elwood, and Carthage fields; (3) drouth stress in western Illinois during midsummer, which resulted in poor pollination of several varieties. These adverse factors should be considered when comparing 1977 yields with those of past years. Varieties in this year's test that performed well even under such adverse conditions were at least tolerant to those conditions.

Plan of the Tests

Selection of entries. Each year, producers of hybrid seed corn in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. This testing program is financed by a fee of $35 for each hybrid at each location entered. Most of these hybrids are commercially available, although a few experimental hybrids are also entered. In 1977, a survey of popular hybrids was conducted among county Extension advisers, and the ten most popular hybrids at each test location were added to the trials. These hybrids are marked by an asterisk(*) in the tables.

Number and location of tests. In 1977, 18 major tests were conducted at 11 locations in the state (see the map on page 4). These sites represent major soil and climatic areas of the state.

Hybrids. There were 504 hybrids from 64 companies tested in 1977. Seed for the trials was obtained by the University of Illinois staff from warehouse stocks whenever possible.

Field-plot design. Three replications of lattice design were used to assure each entry an equal chance to show its merits.

Planting methods. All trials were planted by machine. All test fields except those at DeKalb, Carthage, Brownstown, Elwood, and Urbana were part of larger cornfields and thus were bordered by other corn. Each hybrid plot was overplanted 30 percent and later thinned to desired stands. Each plot was four rows wide and 25 feet long. The center two rows of each plot were harvested to determine yields.

Fertilization. All test fields were at a high level of fertility. Additional fertilizer was plowed down or sidedressed as needed to assure top yields.

Method of harvest. All plots were harvested with a self-propelled combine. Shelled corn from each plot was collected, weighed, and tested for moisture content. No allowance was made for corn that might have been lost in harvest.

Measuring Performance

Grain moisture. Occasionally, hybrids too late in maturity for a given area are entered in these tests. Such hybrids are often high in yield, but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

Yield of grain. Shelled-corn weight and moisture percentage were measured for each plot of a hybrid and converted to bushels per acre of No. 2 shelled corn (15.5-percent moisture). An electronic moisture tester was used for all moisture readings.

Erect plants. The number of erect plants in each plot of a hybrid was counted at harvest time. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

Population. In late June, plants in all plots on all fields were counted and population computed. Plots with over 100 percent of the desired population were thinned at that time. Stand differences may be caused by failure to germinate or by damage from diseases, insects, cultivation, or animal pests.

Comparing hybrids. It is impossible to measure performance exactly in any test of plant material. Harvesting efficiency may vary, soils may not be uniform, and many other conditions can produce variability. Results of repeated tests, like those reported here, are more reliable than those of a single-year or a single-strip test. In general, a yield difference of a few bushels per acre is not significant in these tests. When one hybrid consistently outyields another at several test locations and over several years of testing, the chances are good that this difference is real and should be a consideration in choosing a hybrid. But yield alone is not enough. Consider also the grain moisture content, percentage of erect plants, percentage of stand, or the number of plants per acre in comparing yields.

A number of statistical tests are available for comparing hybrids. One of these tests, the least significant

difference (L.S.D.), when used in the manner suggested by Carmer and Swanson,[1] is quite simple to apply and is more appropriate than most other tests. When two hybrids are compared and the difference between them is greater than the tabulated L.S.D. value, the hybrids are judged to be "significantly different."

When the observed mean of hybrid A is larger than that of hybrid B and the difference between them is found to be significant, one of three possibilities has occurred: (1) the mean of hybrid A really is larger than that of hybrid B, and a correct decision has been made; (2) the means of hybrids A and B are really equal, and a Type I statistical error has been made (that is, the means were declared to be unequal when they were actually equal); or (3) the mean of hybrid B is really larger than that of hybrid A, and a reverse decision or Type III statistical error has been made (that is, the mean of A was declared to be greater than that of B, when the reverse is true).

When no significant difference is found between two hybrids, one of two possibilities has occurred: (1) the means are really equal and a correct decision has been made; or (2) the means are really different and a Type II statistical error has been made (that is, the means were declared to be equal when they really are different). In a study of the frequencies of occurrence of these three types of statistical errors and their relative seriousness, Carmer[2] found strong arguments for an optimal significance level in the range $\alpha = 0.20$ to 0.40, where α is the Type I statistical error rate for comparisons between means which are really equal. Herein, values of $\alpha = 0.10$ and 0.30 are used in computing the L.S.D. 10- and 30-percent levels shown in the tables. L.S.D. 10 and L.S.D. 30 are not calculated when the overall F test of differences among entries is not significant at the 5 percent level.

[1] Carmer, S. G. and M. R. Swanson. "An Evaluation of Ten Pairwise Multiple Comparison Procedures by Monte Carlo Methods." *Journal of American Statistical Association* 68:66-74. 1973.

[2] Carmer, S. G. "Optimal Significance Levels for Application of the Least Significant Difference in Crop Performance Trials." *Crop Science* 16:95-99. 1976.

Growing Conditions at 1977 Test Fields (Tables 1 and 2)

Extreme Northern Illinois: Woodstock. This test field represents the cool, humid area of northeastern Illinois. The test plot was on land operated by the Hughes Farms and Seed Company, Robert and Earl Hughes, Jr., cooperators. The soil is Proctor silt loam: a fertile, deep, well-drained, dark prairie soil. Planting was completed May 14. Climatic conditions were good throughout the test.

Northern Illinois: DeKalb. This test was at the University of Illinois Northern Illinois Research Center, southwest of DeKalb. R.R. Bell is the field manager, and D.L. Mulvaney is in charge of research at the Center. The soil is Flanagan silt loam: a dark-brown, adequately drained soil of high fertility. Planting was completed May 3. Good growing conditions were prevalent throughout the season. Considerable corn rootworm damage was observed in the low-population test.

West North-Central Illinois: Galesburg-Wataga. This test was located on the Robson Farms, operated by John Robson. The test field is a highly fertile, heavy-

Table 1. — General Information: Illinois Hybrid Corn Tests, 1977

Field, county, location, and number of entries	Date planted	Date harvested	Average yield	Grain moisture	Erect plants	Average population
			bu./A.	*perct.*	*perct.*	*per acre*
40-inch rows, 20,000 plants per acre						
Woodstock: McHenry, Ex. N, 87...	May 14	Oct. 17	123	24.4	99	19,565
30-inch rows, 18,000 plants per acre						
Brownstown: Fayette, S, 49.....	May 10	Oct. 6-7	93	18.8	93	17,825
Carbondale: Jackson, Ex. S, 34.....	May 10	Oct. 4-5	94	17.5	97	16,864
30-inch rows, 20,000 plants per acre						
DeKalb: DeKalb, N, 81.....	May 3	Oct. 17-18	128	20.1	80	19,679
Galesburg: Knox, WNC, 72.....	April 29	Oct. 13-14	145	19.7	96	19,742
Urbana: Champaign, EC, 114	April 26	Sept. 22, 23, 26	135	24.8	98	19,683
Greenfield: Macoupin, WSC, 49....	May 12	Oct. 10	92	19.7	91	19,546
Dixon Springs: Pope, Ex. S, 43.....	May 11	Oct. 3-4	131	20.4	85	19,657
30-inch rows, 22,000 plants per acre						
Brownstown: Fayette, S, 110.....	May 10	Oct. 6-7	77	18.7	91	21,621
Carbondale: Jackson, Ex. S, 75	May 10	Oct. 4-5	103	17.5	98	19,071
30-inch rows, 24,000 plants per acre						
DeKalb: DeKalb, N, 137.....	May 3	Oct. 17-18	151	20.9	95	23,165
Galesburg: Knox, WNC, 123.....	April 29	Oct. 13-14	145	19.8	95	23,364
Elwood: Will, ENC, 110.....	May 2	Oct. 19	113	19.9	98	21,963
Carthage: Hancock, WC, 81.....	April 28	Sept. 27	77	23.0	95	22,105
Hartsburg: Logan, C, 121.....	May 13	Oct. 11	113	21.8	99	22,773
Urbana: Champaign, EC, 163.....	April 26	Sept 22-23	131	26.4	99	23,494
Greenfield: Macoupin, WSC, 91....	May 12	Oct. 10	98	19.2	91	23,148
Dixon Springs: Pope, Ex. S, 90	May 11	Oct. 3-4	121	19.7	67	23,499

textured, Sable silty clay loam. Planting was completed April 29. Growing conditions were good throughout the test.

East North-Central Illinois: Elwood. This test was conducted at the Northeastern Illinois Agronomy Research Center in Will County. Dale Harshbarger is the field manager, and D.L. Mulvaney is in charge of research at the Center. The test was on Elliott silt loam. Planting was completed May 2. Dry conditions in both May and July contributed to yield reductions of many varieties.

West-Central Illinois: Carthage. This test was located on the Illinois Agronomy Research Center at Carthage in Hancock County. L. V. Boone was in charge of research. The soil is an Ipava silt loam. Planting was completed April 28. Lack of rainfall and high temperatures during pollination caused a reduction in yields. Considerable lodging due to corn rootworms damage was noted at harvest.

Central Illinois: Hartsburg. This test was located in Logan County on land adjoining the Hartsburg Agronomy Research Field. The test was on land operated by Lee Newby. The soil type was Hartsburg silty loam. The field was planted May 13. Adequate rainfall occurred throughout the growing season. Less than adequate weed control resulted in variable yields.

Table 2. — Growing Season Rainfall

Field	April	May	June	July	August
Woodstock	2.30	3.89	3.50	3.57	6.68
DeKalb	1.78	3.81	4.79	2.05	6.86
Galesburg	1.82	3.28	4.74	2.50	7.47
Elwood	1.44	1.56	4.90	1.69	5.24
Carthage	1.82	5.58	2.27	2.90	8.93
Hartsburg	2.66	5.59	3.43	3.07	6.61
Urbana	.75	3.58	2.30	3.03	10.01
Greenfield	2.37	8.47	3.63	1.46	3.03
Brownstown	1.28	1.74	4.97	1.62	3.94
Carbondale	1.79	1.55	5.46	2.74	5.35
Dixon Springs	2.42	5.07	2.18	4.07	5.23

East-Central Illinois: Urbana. This test was located on the University of Illinois South Farm in Champaign County. M.G. Oldham is the farm manager. Fields on which the test plots were grown are level, heavy-textured, Drummer silty clay loam. The trials were planted April 26. Growing conditions were near normal.

West South-Central Illinois: Greenfield. This test represents the moderately poorly drained soils of western south-central Illinois. The soil is a Herrick silt loam. The plot was located between Palmyra and Greenfield in Macoupin County on land operated by Jack Ross. Planting was on May 12. Dry conditions were prevalent throughout July.

Southern Illinois: Brownstown. This test was located at the University of Illinois Brownstown Experimental Field in Fayette County. Frank Zajicek is in charge of research. The soil is Cisne silt loam: a poorly drained, gray, prairie soil with a well-developed claypan. Planting was completed May 10. Growing conditions were near normal.

Extreme Southern Illinois Upland: Carbondale. The test at Carbondale represents the upland area in southern Illinois. The test was located on a field adjoining the Southern Illinois University Agronomy Research Center. Jim Hubbard and George Kapusta were the cooperating agronomists. The soil type is a Weir silt loam, which is a shallow, silty loam over claypan. Planting was completed on May 10. The growing season had frequent periods of inadequate rainfall, and all plots were irrigated once with one inch of water.

Extreme Southern Illinois Bottomland: Dixon Springs. This test was located at the University's Dixon Springs Agricultural Center in Pope County, with George McKibben cooperating. The test plot is located on Sharon silt loam: a light-colored, moderately well-drained, medium-textured bottomland soil. The planting was made on May 11. The growing season was good; however, heavy rains during the early harvest season promoted stalk rot and resulted in severe lodging in some varieties.

Sources of Seed

ACCO Hybrids	Anderson-Clayton	Box 9, Belmond, IA 50421
ADI Hybrids	ADI Distributors, Inc	Carmel, IN 46032
Ag Seeds Hybrids	Ag Seeds, Inc	Box 316, Carthage, IL 62321
Ainsworth Hybrids	Ainsworth Seed Co	Mason City, IL 62664
Americana Hybrids	Americana Seeds, Inc	Box 275, Bowen, IL 62316
Anderson Hybrids	The Anderson's	P.O. Box 119, Maumee, OH 43537
Asgrow Hybrids	Asgrow Seed Co	Des Moines, IA 50310
Bear Hybrids	Bear Hybrid Corn Co	Box 628, Decatur, IL 62525
Blaney Hybrids	Blaney Farms, Inc	R.R. 4, Madison, WI 53711
Bo-Jac Hybrids	Bo-Jac Hybrid Corn Co	Mount Pulaski, IL 62548
Cargill Hybrids	Cargill Seeds	Minneapolis, MN 55413
Cenex Hybrids	Cenex Seed Co	Cedar Falls, IA 50613
Coker Hybrids	Coker Pedigreed Seed Co	Box 340, Hartsville, SC 29550
Cornelius Hybrids	Cornelius Seed Corn Co	Bellevue, IA 52031
Corn King Hybrids	Malcolm H. Grieve	Pierson, IA 51048
DeKalb Hybrids	DeKalb AgResearch, Inc	DeKalb, IL 60115
Dennis Hybrids	Dennis Hybrid Corp	Windfall, IN 46076
Dockendorff Hybrids	Dockendorff Hybrids, Inc	Danville, IA 52623
FS Hybrids	FS Services, Inc	Bloomington, IL 61701
Federal Hybrids	Federal Hybrids	Marion, IA 52302
Frey Hybrids	Frey Hybrid Corn Co., Inc	Gilman, IL 60938
Funk's Hybrids	Funk Seeds International, Inc	Bloomington, IL 61701
Golden Harvest Hybrids	Golden Harvest Seeds, Inc	Clinton, IL 61727
Gutwein Hybrids	Fred Gutwein & Sons, Inc	Francesville, IN 47946
Hoblit Hybrids	Hoblit Seed Co	Atlanta, IL 61723
Hughes Hybrids	Hughes Hybrids, Inc	Woodstock, IL 60098
Hulting Hybrids	Ferry Morse Seed Co	Box 24, Geneseo, IL 61254
Kaltenberg Hybrids	Kaltenberg Seed Farms	R.R. 2, Waunakee, WI 53597
Landers Hybrids	Landers Seed Co	Box 120, Sullivan, IL 61951
Lewis Hybrids	Lewis Seeds, Inc	Box 36, Ursa, IL 62376
Lynks Hybrids	Lynks Hybrids	Box 637, Marshalltown, IA 50158
McAllister Hybrids	McAllister Seed Farms	Mount Pleasant, IA 52641
McCurdy Hybrids	McCurdy Seed Co	Fremont, IA 52561
Migro Hybrids	Midwest Seed Growers Assn., Inc	Mitchell, IN 47446
Muncy Chief Hybrids	Muncy Chief Hybrids	Muncy, PA 17756
Noble Hybrids	Noble Bros	Gibson City, IL 60936
Northrup-King Hybrids	Northrup, King and Co	Minneapolis, MN 55413
O's Gold Hybrids	O's Gold Seed Co., Inc	Parkersburg, IA 50665
P.A.G. Hybrids	P.A.G. Seeds	Minneapolis, MN 55402
Pfister Hybrids	Pfister Hybrid Corn Co	El Paso, IL 61738
Pfizer Hybrids	Pfizer Genetics, Inc	Box 33, Mason City, IL 62664
Pioneer Hybrids	Pioneer Hi-Bred Corn Co. of Illinois	Princeton, IL 61356
Pocklington Hybrids	Pocklington Seed Co	R.R. 2, Girard, IL 62640
Prairie Stream Hybrids	Prairie Stream Farms, Inc	Frankfort, IN 46041
Premier Hybrids	Premier Hybrids	Action, IN 46259
Pride Hybrids	Pride Co., Inc	Glen Haven, WI 53810
Princeton Hybrids	Princeton Farms	Box 319, Princeton, IN 47570
Renk Hybrids	W.F. Renk & Sons	R.R. 2, Sun Prairie, WI 53590
Ring Around Hybrids	Ring Around Products, Inc	Box 1629, Plainview, TX 79072
Seagull Hybrids	Rothermel Seed Co	Box 182, West Liberty, IA 52776
Seedkem Hybrids	Seedkem, Inc	Evansville, IN 47711
Stewart Hybrids	Stewart Hybrids, Inc	Princeville, IL 61559
Sturdy Grow Hybrids	Sturdy Grow Hybrids, Inc	Box 94, Arcola, IL 61910
Super-Crost Hybrids	Edw. J. Funk & Sons, Inc	Kentland, IN 47951
Taylor-Evans Hybrids	Taylor-Evans Seed Co	Box 68, Tulia, TX 79088
Todd Hybrids	Todd Hybrid Corn Co., Inc	Burlington, IN 46915
Tracy Hybrids	Tracy & Son Farms, Inc	R.R. 1, Janesville, WI 53545
Trisler Hybrids	Trisler Seed Farms, Inc	Fairmount, IL 61841
U.S.S. Hybrids	U.S.S. Agri-Chemicals	Clayton, MO 63105
Voris Hybrids	Voris Seeds, Inc	Windfall, IN 46076
Whisnand Hybrids	Whisnand Hybrid Corn Co	R.R. 1, Arcola, IL 61910
Wyffels Hybrids	Wyffels Hybrid Seeds	Atkinson, IL 61235
Zimmerman Hybrids	Zimmerman Hybrids, Inc	Evansville, IN 47712

Table 3. — Extreme Northern Illinois: Woodstock (Planted at 20,000 plants per acre in 40-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO UC 3301	144	121	157	23.8	19.3	19.5	99	93	98	19737	17684	17428
ADI 197	112			25.7			98			20139		
ADI 232	112			20.3			98			19564		
ADI 305	131			25.0			100			19874		
ADI 315	125			27.7			97			19375		
ASGROW RX60	134			22.1			99			19889		
ASGROW RX2345	123	94		22.4	18.5		97	73		19369	17139	
BLANEY B606	126			26.1			99			19432		
BLANEY B703	136			26.1			99			19716		
BLANEY B705	117			27.5			99			19717		
BLANEY B805	143			27.8			98			19962		
CARGILL 838	117			20.8			97			19478		
CORN KING 1122	126	121	134	24.6	18.7	18.8	97	96	99	19814	18751	17428
DEKALB XL 18	113			22.0			100			18841		
DEKALB XL 25	108			23.0			98			19972		
DEKALB XL 43*	112	113	130	25.1	20.8	19.7	99	92	100	19697	16596	18666
DEKALB XL 53	100			25.2			100			12596		
FS 222	122	121	139	24.2	19.7	19.1	98	93	98	19490	18803	19047
FS 240	117			23.3			99			19996		
FS 242	136	124	151	23.7	20.1	18.8	96	94	98	19642	17467	18285
FS 444	125	115		24.1	19.3		99	97		19312	16057	
FUNKS G-4141	110	103	131	22.0	17.3	15.8	99	91	100	19848	18415	18952
FUNKS G-4272	109			23.1			96			19891		
FUNKS G-4321A*	147	130	107	23.9	19.5	19.3	98	94	99	19999	18806	19428
FUNKS G-4404	128		143	23.0		18.6	100		99	19951		19333
FUNKS G-4408	111	103	139	23.6	20.5	18.6	98	89	100	19906	18519	18571
FUNKS G-4430	123			25.9			99			19989		
FUNKS G-4444A	125			23.8			99			19723		
HUGHES 3304	119	116		20.6	18.2		98	88		19743	16945	
HUGHES 8023	122			24.1			99			17111		
HUGHES SLX-8	112	107	125	22.4	17.8	17.1	98	88	96	19782	19147	19142
HUGHES SLX-19*	123	120		23.4	19.7		100	97		19729	18295	
HUGHES SLX-30A*	115	116	143	27.1	21.4	18.6	98	91	99	19958	17606	19809
HULTING X322	122	120		23.0	20.2		96	88		19824	17643	
HULTING X770	119	109		24.8	18.0		99	86		20035	18629	
KALTENBERG KX 66	132			23.7			98			19992		
KALTENBERG KX 68	134	86		24.4	20.4		97	95		19916	9804	
LYNKS 4120	124			24.0			99			19604		
LYNKS 4220A	125			23.5			99			19902		
MCCURDY MSX44A	133	123	116	23.1	20.1	18.8	99	90	98	19713	18372	17904
MCCURDY MSX46	148	110		22.2	18.8		99	87		19998	18906	
MIGRO M-0301	116			23.8			97			19909		
MIGRO M-0501	132	131		27.4	22.4		98	98		19924	16343	
MIGRO M-0505	146	139		28.9	22.3		99	96		19957	18480	
MIGRO M-1130	133	132		23.8	18.3		99	94		19889	18700	
MIGRO M-2016 X	126			25.1			98			19728		
MIGRO M-2022 X	133			23.0			100			17527		
O'S GOLD SX949	124			21.3			99			19929		
O'S GOLD SX1111	119			25.2			98			19977		
P.A.G. EXP. 231070	131			22.6			99			20066		
P.A.G. SX 69	128	121	148	23.8	20.9	19.7	99	95	99	19418	17325	16380
PFISTER 19	125	141		23.7	20.5		96	95		19805	19016	
PFISTER 21	131	132	123	23.6	18.9	19.5	98	91	98	19852	19113	17333
PFISTER 21A	129			24.3			99			20031		
PFISTER 23	128			24.7			98			19999		
PFIZER T 1010	119			23.7			100			19407		
PFIZER TXS 102	133	130		24.4	19.6		96	92		19526	18211	
PFIZER TXS 102A	128			24.1			99			19510		
PFIZER TXS 105A	127	107	133	23.0	18.6	17.3	100	70	99	19534	18073	19142
PFIZER TXS 108A	126	131	144	25.4	19.4	18.3	99	98	100	19542	17614	19047
PIONEER 3780	113	119	152	23.5	21.5	16.7	98	98	98	19749	19549	18285
PRIDE 4488	112			22.7			98			19657		
PRIDE 5565	145	101	120	22.3	19.9	17.1	98	96	99	20006	19522	17142
PRIDE 5578	112			23.6			100			19402		
RENK RK44	146	122		25.0	19.3		97	94		19494	18997	

Table 3. — Woodstock, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
RENK RK66	121	108		25.2	18.6		99	95		19399	16195	
RENK RK77	140			29.3			99			19597		
RENK RW2	129	122		23.0	19.8		99	93		18883	13963	
SEAGULL SX 10	104	118		23.0	22.1		98	98		20020	17496	
SEAGULL SX 20AA	124	122		26.4	19.8		99	98		19986	17827	
SEAGULL SX 33	124	140	155	26.4	19.7	19.4	100	92	97	19730	18993	19428
SEED-KEM SKX36	117			23.1			99			19533		
SUPER-CROST 2350	127	129		21.8	18.6		100	98		19946	17991	
SUPER-CROST 2470	125	113	136	23.1	20.2	18.3	99	99	99	19560	17813	17904
SUPER-CROST 2890	120	118	130	25.7	21.1	18.7	99	93	100	19539	16708	18190
SUPER-CROST S27	127	133	138	22.8	19.6	17.8	98	91	95	19929	17418	16476
TAYLOR-EVANS MARKETMAKER	111	124	149	24.5	19.7	19.0	99	97	98	18271	18296	17047
TRACY T207	122			23.8			98			18801		
TRACY T209I	125			24.2			99			19320		
TRACY T210	111			27.4			98			19204		
TRACY T214	134			27.0			99			19715		
TRACY T316	120			27.6			100			19878		
U.S.S. 0010	109			23.4			98			19898		
U.S.S. 0011	129	129		23.9	19.4		95	91		19550	17416	
U.S.S. 0555A	132	123		26.7	20.9		97	97		19799	15753	
WYFFELS W-18	129			20.5			98			20079		
WYFFELS W-26	122	99	128	25.2	22.6	18.0	99	99	99	19685	16807	18761
AVERAGE OF 1977 ENTRIES	123			24.4			99			19566		
L.S.D. 10% LEVEL	18			2.0			2			744		
L.S.D. 30% LEVEL	12			1.3			1			468		
C.V.	11			6.1			1			3		

Table 4. — Northern Illinois: DeKalb (Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO UC 7951	113			20.3			80			19777		
AG SEEDS AXS 104	156			18.8			80			19555		
AG SEEDS AXS 109	155			19.1			87			19888		
AG SEEDS AXS 114	109			21.0			85			19222		
BLANEY B606	127	107		18.3	22.8		83	97		19000	19569	
BLANEY B703	101			20.2			79			19888		
BLANEY B705	151			20.6			89			19888		
BLANEY B805	156	131		21.1	25.8		83	100		20000	19677	
CARGILL 838	114			19.5			78			19222		
CORN KING 1235	141			19.5			87			19666		
FS 222	142	121	171	20.0	22.9	15.6	81	92	97	20000	19462	19995
FS 240	107			19.7			81			19888		
FS 444	121	119	156	20.2	24.2	15.9	87	99	100	19777	19784	19288
FS 452	121	117		21.1	24.2		75	98		19777	19569	
FS 466	129	121		19.9	26.4		67	97		20000	19784	
FUNKS G-4141	126			16.4			87			19333		
FUNKS G-4321A	158	95	188	19.6	23.4	15.7	80	95	98	19777	18494	19658
FUNKS G-4404	130	110	169	18.9	21.7	15.4	60	96	98	20000	19354	19932
FUNKS G-4408	122	85	171	19.9	25.2	16.9	82	95	96	19888	19784	20039
FUNKS G-4430	92			19.4			72			19333		
FUNKS G-4444A	120			19.9			84			19666		
FUNKS G-4507	99	105	164	22.1	27.3	16.9	89	97	100	19777	19569	19987
FUNKS G-4520	136	105		22.1	29.0		83	96		18777	19784	
HUGHES SLX-39	158	128		21.6	28.1		80	99		19888	20000	
HUGHES SLX-225	122	112	169	19.6	22.1	15.8	88	99	99	19888	19354	19946
HULTING X322	117	124		19.2	24.2		80	96		20000	19247	
HULTING X770	137	110		18.8	23.1		86	85		20000	19784	
KALTENBERG KX 58	138			19.5			64			20000		
KALTENBERG KX 68	120	97		18.3	25.9		74	100		20000	14408	
KALTENBERG KX 76	153	108		21.9	27.9		81	99		20000	19892	
LYNKS 4220	131			18.9			79			19555		
MCALLISTER SX7300	114	146	193	21.2	27.8	18.2	81	99	100	19444	19032	19990
MCALLISTER SX7402	116		161	19.8		15.3	75		100	19777		17137
MCCURDY MSX46	136	124		19.6	24.4		83	97		20000	19569	
MCCURDY MSX60	138	120		21.3	26.2		81	99		20000	17634	
MIGRO M-0301	153			19.3			67			20000		
MIGRO M-0501	110	113		20.5	27.5		79	99		19888	18602	
MIGRO M-0505	133	102		21.9	27.4		91	97		19777	19462	
MIGRO M-2018 X	154			19.3			77			20000		
MIGRO M-2022 X	136			19.5			78			20000		
MUNCY-CHIEF H764	143			22.1			69			19555		
MUNCY-CHIEF SX662	128			21.3			78			20000		
MUNCY-CHIEF SX777	108			20.3			80			19333		
MUNCY CHIEF SX8083	129			24.0			73			17666		
MUNCY-CHIEF SX878	111			23.5			77			19111		
NOBLE NS 235 M	110			21.6			84			19888		
O'S GOLD SX1111	146			19.4			77			19333		
O'S GOLD SX5500A	118	116	189	21.1	28.2	19.2	69	99	100	19333	19784	19470
P.A.G. SX 424	114	118		20.9	26.3		87	99		19111	18602	
PFISTER 21	116	125		19.3	23.7		85	94		20000	19354	
PFISTER 21A	121	112		20.0	20.4		78	93		20000	18602	
PFISTER 23	139	134		19.8	23.7		83	92		19777	18279	
PFISTER 70	114			22.9			70			19777		
PFIZER T 1010	146			19.6			79			20000		
PFIZER TXS 102A	138			18.9			80			19666		
RENK RK44	154	109		19.6	22.4		78	92		19777	19354	
RENK RK66	113	95		19.6	23.4		92	100		19333	17956	
RENK RK77	124	115		21.3	24.5		66	100		19111	17849	
RENK RW2	135	107		18.0	22.1		75	77		19333	19677	
SEAGULL SX 10	115	118		18.9	22.3		78	92		20000	19569	
SEAGULL SX 20AA	135	114		18.6	24.9		83	95		19888	19354	
SEAGULL SX 25	113	125		20.5	26.3		80	93		20000	19354	
SEAGULL SX 33	137	116	162	20.8	24.5	16.9	73	92	99	19888	18924	19573
SEAGULL SX 40	127	105	171	21.1	26.6	19.1	82	97	100	19666	18279	20035
SUPER-CROST 2350	130	108		18.1	21.3		86	94		19888	19247	
SUPER-CROST 2470	116	112	161	19.3	25.5	14.9	88	98	98	19888	19677	19064
SUPER-CROST 4242	149	121	165	21.1	23.7	15.3	88	85	99	19777	19784	19608
SUPER-CROST 4350	109			21.7			55			19777		
SUPER-CROST 5440	125	91	171	22.2	25.5	17.9	84	97	100	20000	18817	19742
SUPER-CROST S27	127	110	164	19.3	23.9	15.4	73	95	98	20000	19354	19984
TRACY T209I	122			18.6			85			18444		
TRACY T210	114			19.9			87			20000		
TRACY T214	162			22.0			81			18666		
TRACY T316	116			20.8			77			20000		
U.S.S. 0010	137			19.8			84			20000		
U.S.S. 0011	129			19.7			57			18888		
U.S.S. 1010	97			21.3			78			19777		
VORIS V 2472	147			19.0			83			19888		
WYFFELS W-18	108			18.0			83			19666		
WYFFELS W-26	132	126		19.6	24.0		90	98		19888	19247	
WYFFELS W-30	137			19.2			76			19555		
AVERAGE OF 1977 ENTRIES	129			20.2			80			19679		
L.S.D. 10% LEVEL	32			1.2			..			758		
L.S.D. 30% LEVEL	20			0.8			..			477		
C.V.	18			4.5			16			3		

Table 4a. — Northern Illinois: DeKalb, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO UC 3301	144	120	166	19.8	21.7	16.8	98	82	93	22971	23214	20694
ACCO UC 6601	161	123		20.7	24.3		90	82		24000	23222	
ACCO UC 7951	164			21.4			95			23542		
ADI 315	141			22.3			98			23314		
ADI 395	137			22.6			97			23085		
ADI 555	185			22.3			100			21942		
ADI 626	161			22.7			98			22857		
AMERICANA 2800	163	90	173	19.7	22.1	16.9	93	83	88	22971	23333	23126
AMERICANA D-302	167			20.6			95			23542		
AMERICANA D-303	145			20.1			92			24000		
AMERICANA D-323	153			19.8			94			23542		
ASGROW RX60	182		167	19.6		16.8	99		97	21485		22890
ASGROW RX2345	144	138		19.2	19.5		89	89		22514	23639	
BLANEY B606	146	110		20.2	27.4		95	94		22971	23343	
BLANEY B703	154			21.0			97			21257		
BLANEY B705	172			21.9			100			24000		
BLANEY B805	163	140		21.7	27.1		95	94		22971	23694	
BO-JAC X36	161	115		22.5	21.0		95	75		21828	22979	
BO-JAC X37	153		133	21.8		16.9	98		93	23200		21986
BO-JAC X52A	198	116	193	23.2	25.9	19.1	94	91	84	24000	23194	22316
BO-JAC X145	150			19.4			99			23428		
BO-JAC X172	169			20.1			93			23542		
BO-JAC X193	154			22.3			91			24000		
BO-JAC X268	130			19.9			97			21257		
BO-JAC X288	157			19.9			93			24000		
BO-JAC X347	169			23.5			97			22742		
CARGILL 838	143			18.5			92			24000		
CARGILL 890	134	135	158	19.9	22.4	17.7	96	86	99	24000	23091	22899
CENEX 2201	136			19.7			97			22857		
CENEX 2333	158			17.4			83			23314		
CORNELIUS C47SX	169			20.2			97			23885		
CORNELIUS SC 38	164			19.8			97			22285		
DEKALB XL 14	154			20.3			97			23885		
DEKALB XL 25	118			19.6			98			23200		
DEKALB XL 43	168	129	166	21.6	21.3	18.9	99	71	99	23657	22598	22184
DEKALB XL 53	159			21.5			97			14400		
DEKALB XL 54	156	136		20.8	23.0		91	75		22857	23556	
DEKALB XL 64	151	108	160	22.4	22.7	19.1	97	72	97	23657	22164	23111
DENNIS DS11	173			19.8			97			23885		
DENNIS DS30	138			18.8			98			23428		
FS 240	129			19.7			97			23314		
FS 242	164	124	192	20.1	19.2	18.8	85	87	95	23314	23006	21528
FS 444	157	123	171	19.8	20.9	17.9	97	97	96	23085	23759	21114
FS 466	153	145		21.0	22.7		90	82		23771	22510	
FEDERAL FT23	100	120		21.2	27.5		95	91		22742	24122	
FEDERAL FT 27 A	147			20.4			87			22971		
FEDERAL FX 6	175	115	186	20.2	21.5	16.0	97	95	99	24000	23706	24025
FUNKS G-4141	130			18.0			99			24000		
FUNKS G-4321A	153	132	183	20.3	23.1	16.1	99	90	90	22285	23840	23422
FUNKS G-4404	163	137	162	20.0	19.9	15.3	84	96	97	23200	23692	22182
FUNKS G-4408	127	129	174	19.8	21.8	16.5	100	98	93	23428	23515	23226
FUNKS G-4430	150			21.5			98			23885		
FUNKS G-4444A	153			19.7			96			23428		
FUNKS G-4507	126	143	176	24.7	22.8	19.4	98	95	97	22857	22760	22692
FUNKS G-4520	187	145		22.3	24.3		97	90		23428	23318	
GUTWEIN 44	137			21.5			97			24000		
GUTWEIN 46	133	139	180	21.0	20.5	19.7	98	97	97	23314	23723	22503
HUGHES 16 9 7	153			21.0			93			23428		
HUGHES 8023	160			19.9			96			22742		
HUGHES SLX-19	142			19.0			99			23885		
HUGHES SLX-30A	161	115	138	19.3	22.1	16.3	96	100	94	22285	22663	23178
HUGHES SLX-39	135	127	205	21.5	26.1	19.7	90	97	98	22971	23766	22630
HULTING X770	162	126		20.1	21.7		89	80		23428	23053	
KALTENBERG KX 58	144			21.5			98			24000		
KALTENBERG KX 68	145			19.7			96			22628		
KALTENBERG KX 76	140			22.2			93			23542		
LEWIS 235B	119			20.9			90			23200		
LEWIS X14B	171			21.7			99			22857		
LEWIS X17B	131			21.3			97			23542		
LEWIS X19B	128	137		19.0	23.7		88	97		22628	22779	
LEWIS X25B	170			22.0			100			23428		
LYNKS 4200	147			20.7			100			21942		
MCALLISTER SX7300	166		154	22.5		20.3	99		97	23885		22949
MCALLISTER SX7406	198			23.2			97			23657		
MCALLISTER SX7607	170			21.4			94			22857		

Table 4a. — DeKalb, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
MCALLISTER SX7705	160			20.6			98			24000		
MCCURDY MSX42	148			19.6			90			23771		
MCCURDY MSX46	147	141	159	20.6	21.4	16.3	96	96	98	23542	22231	21307
MCCURDY MSX50	136			19.5			93			22857		
MIGRO M-0301	155	95		20.3	24.5		98	85		24000	23822	
MIGRO M-0505	148	129		22.4	25.3		97	99		22514	23754	
MIGRO M-2013 X	149			20.1			94			24000		
MIGRO M-2022 X	167			19.4			100			23200		
NOBLE NB 2461	144			20.9			96			23428		
NOBLE NB 2551	162			23.2			98			24000		
NORTHRUP-KING PX46	138		187	20.1		15.4	94		99	23200		22928
NORTHRUP-KING PX48	145			20.1			94			23885		
NORTHRUP-KING PX65	142			20.6			95			23314		
NORTHRUP-KING PX74	150		194	21.6		19.5	96		96	23542		22724
NORTHRUP-KING PX585	138			18.8			98			24000		
O'S GOLD SX949	123			18.5			96			22857		
O'S GOLD SX1111	165			21.1			98			23200		
P.A.G. SX 397	130	114	136	21.4	25.3	17.5	98	82	98	23200	23536	23578
P.A.G. SX 424	130	136	187	22.0	23.6	18.1	99	81	98	22400	23674	22795
PFIZER T 1120	146			24.3			98			24000		
PFIZER TXS 105A	144	71	122	18.8	20.3	15.6	99	79	91	24000	23208	22971
PFIZER TXS 108A	139	71	154	21.1	25.0	17.5	100	97	92	23771	23823	22169
PFIZER TXS 115A	174	128	160	22.0	24.0	19.2	96	92	97	21028	23106	22342
PIONEER 3780	139	128	154	16.9	22.3	16.0	98	92	100	22971	22705	22575
POCKLINGTON P223	144			24.3			98			23771		
POCKLINGTON P-6392	145			21.9			99			23771		
PRIDE 5578	156			19.5			97			22400		
PRIDE 6678	167			22.2			100			22171		
PRIDE 7715	140			21.6			96			24000		
PRIDE S-803	150	132		20.5	20.1		98	97		23428	22729	
RENK RK44	120	125		19.5	23.7		80	89		23885	23764	
RENK RK65	146	120		19.9	21.0		97	91		22971	22543	
RENK RK77	168	136		23.2	25.4		97	99		23314	22610	
SEAGULL SX 10	115	99		20.7	20.6		91	85		22857	22774	
SEAGULL SX 11A	158	125	166	19.2	21.1	17.4	94	93	95	24000	23481	22485
SEAGULL SX 25	146	125		20.5	23.5		90	95		23657	22916	
SEAGULL SX 33	170	129	175	20.9	24.5	18.3	94	80	96	22971	23342	22448
SEAGULL SX 40	156	134	159	20.8	27.3	20.5	97	97	99	23085	22721	20172
SEAGULL SX 55	135			23.2			98			23314		
STEWART 5349	161			22.8			98			23428		
STEWART SX54	153			23.9			91			21942		
STEWART SX1734	136	134	163	20.2	20.3	17.3	90	96	98	22171	23604	22978
STEWART SX6634	123	113		20.4	21.2		96	79		22742	22618	
SUPER-CROST 2350	167	106		20.0	21.8		96	94		24000	22532	
SUPER-CROST 2470	143	97	138	20.4	18.7	16.7	90	95	99	22971	23280	22052
SUPER-CROST 2890	114	148	177	21.0	22.0	16.8	98	98	99	21371	22305	20149
SUPER-CROST 4242	143	139	161	21.2	24.9	18.4	94	90	98	23885	23219	21680
SUPER-CROST 4350	127			23.2			98			23428		
SUPER-CROST 5440	141	117	181	21.1	24.3	19.9	93	82	96	23657	22708	23957
TAYLOR-EVANS T.E. 6968	156	123	193	23.0	25.5	20.1	95	96	95	23428	23666	23995
TAYLOR-EVANS T.E. 6992	137	123	149	21.0	27.5	19.0	97	94	94	23035	22648	20654
TAYLOR-EVANS T.E. 6995	175	128		23.1	29.1		98	99		24000	23230	
TRACY T209I	145			19.1			97			23885		
TRACY T210	159			20.0			96			22742		
TRACY T214	183			23.1			100			21600		
TRACY T316	171		205	22.5		19.4	95		97	23542		21817
U.S.S. 0010	152	132		21.8	21.1		95	88		23200	23459	
U.S.S. 0555A	167			20.4			83			23428		
U.S.S. 1010	135	148		22.3	30.4		98	97		21371	21589	
VORIS V 2472	160			20.3			95			23428		
VORIS V 2532	151	140	198	21.2	24.9	20.0	92	99	99	23885	23097	23780
VORIS V 2542	174	128	205	22.1	26.7	19.8	95	96	96	24000	23135	22822
AVERAGE OF 1977 ENTRIES	152			20.9			96			23166		
L.S.D. 10% LEVEL	32			1.7			..			1544		
L.S.D. 30% LEVEL	20			1.1			..			973		
C.V.	15			6.0			6			5		

Table 5. — East North-Central Illinois: Elwood (Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
AG SEEDS AXS 104	123			19.1			99			23428		
AG SEEDS AXS 109	127			19.9			96			17828		
AG SEEDS AXS 114	92			19.5			96			23085		
AINSWORTH X-512	126			20.6			98			23885		
AINSWORTH X-516	107			19.7			96			22628		
AINSWORTH X-603	119			19.7			94			20800		
AINSWORTH X-605	105			19.9			99			23428		
ANDERSON AX-9	106	109		21.0	21.4		98	96		21600	22742	
ANDERSON SSE	149	108		19.1	20.0		99	96		22857	23771	
ANDERSON SSM	113			19.4			99			19657		
ANDERSON SSX	125	110		18.5	23.7		99	88		21714	21714	
BO-JAC X36	104			20.1			100			23085		
BO-JAC X37	117			18.8			98			22514		
BO-JAC X145	118			18.8			98			21485		
BO-JAC X172	100			19.7			100			22628		
BO-JAC X193	115			20.3			100			24000		
BO-JAC X268	106			19.6			99			19885		
BO-JAC X288	140			19.7			95			21028		
BO-JAC X347	125			20.8			99			23428		
BO-JAC X616	105			20.5			98			23314		
BO-JAC X847	77			20.4			98			23542		
CARGILL 890	98			19.9			99			24000		
CARGILL 920*	124	123	154	19.3	21.5	17.8	99	95	99	23428	23200	21896
DEKALB XL 43A*	114	125		18.8	21.7		100	94		23542	23657	
DEKALB XL 54*	124			20.0			97			22057		
DEKALB XL 64*	125	119	149	21.3	21.4	19.2	98	86	98	23771	24000	23885
DEKALB XL 64A*	141	117		20.4	19.9		99	90		23657	23771	
DENNIS DS6	127			20.1			98			17600		
DENNIS DS11	112			19.0			100			21828		
DENNIS DS37E	110	112	171	21.4	20.4	21.8	96	90	98	21257	23885	21283
DENNIS DS48	99			21.0			100			22057		
FS 240	119			19.3			98			21257		
FS 242*	131	110	176	19.5	22.3	18.5	100	93	98	22857	23542	20718
FS 444	105	102		19.9	19.4		98	96		20685	23314	
FS 452	101	124		19.1	20.0		98	84		20800	24000	
FS 466	114	138		20.2	20.8		100	87		21600	23885	
FUNKS G-4141	114			18.0			98			20228		
FUNKS G-4321A	139	90	143	18.4	24.5	17.8	99	90	97	19085	23200	20700
FUNKS G-4403	114	128	162	20.0	23.2	15.7	98	91	99	22400	24000	22528
FUNKS G-4430	104			18.9			96			22171		
FUNKS G-4449	92	111	157	19.6	20.6	19.1	99	89	99	22628	22742	20685
FUNKS G-4507	122	112	163	20.3	22.8	19.9	95	97	99	22057	23542	22926
FUNKS G-4520	139	94		20.0	22.0		100	95		22400	23085	
GUTWEIN 64*	126			21.7			99			22400		
HUGHES 8023	110			18.7			98			20571		
HUGHES SLX-19	123			19.3			97			21257		
HUGHES SLX-30A	120	123	125	18.4	23.3	18.0	97	91	98	21257	23428	19199
HULTING X770	117	133	142	19.5	20.3	13.9	100	94	96	22857	23542	21844
LYNKS 4220	105			19.7			100			22971		
LYNKS 4305	106			21.0			96			23314		
MCALLISTER SX7207	114	137	172	21.9	20.0	18.5	99	98	95	22400	23657	19518
MCALLISTER SX7300	109			20.6			100			23657		
MCALLISTER SX7402	118			18.7			98			22628		
MCALLISTER SX7406	138	115	188	21.9	24.5	19.7	98	98	98	22514	23314	18740
MCALLISTER TX6504	95	138		20.7	19.9		98	87		23542	23200	
MCCURDY MSX44A	108	129		20.7	20.1		91	97		20342	22742	
MCCURDY MSX46	105	126		18.5	22.0		98	86		21942	23200	
MCCURDY MSX50	108			18.1			99			21485		
MCCURDY MSX84	111	132	182	21.2	21.4	19.3	99	95	98	23200	23085	20989
MIGRO M-0301	101	115		18.6	19.8		99	91		20114	23885	

Table 5. — Elwood, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
MIGRO M-0505	110	141		19.6	17.5		98	98		23885	24000	
MIGRO M-2018 X	130			19.0			97			20342		
MIGRO M-2022 X	146			19.9			99			23542		
NORTHRUP-KING PX65	89		144	19.5		18.2	98		95	20800		20475
NORTHRUP-KING PX74	69		121	19.8		18.2	99		93	22742		18405
NORTHRUP-KING PX79	90			19.7			99			21371		
NORTHRUP-KING PX585*	90			19.3			96			18971		
NORTHRUP-KING PX675	91		123	20.4		20.2	98		96	23200		21776
O'S GOLD SX5500A	114	113	164	21.0	21.5	18.5	98	91	97	22628	23428	21341
O'S GOLD SX5500AB	110			21.5			99			23657		
P.A.G. SX 397	117	131		18.9	23.4		98	97		23314	24000	
PFISTER 65	137			20.9			99			23885		
PFISTER 68	123			20.1			100			21028		
PFISTER 70	112			20.7			96			22285		
PFISTER 75	126			20.2			95			22057		
PFIZER T 1120	111			20.4			99			23085		
PFIZER TXS 105A	107	111	142	18.3	21.4	17.3	99	95	95	23200	23314	21218
PFIZER TXS 108A	102	118	134	19.1	22.3	16.9	100	94	97	20914	23314	22278
PFIZER TXS 115A	83	122	149	21.9	21.8	20.7	98	100	98	22742	23428	20916
PIONEER 3517*	109		141	19.7		19.2	100		98	23657		20409
PIONEER 3780*	113	111	166	18.2	18.8	17.5	100	91	97	23542	23314	21523
PRIDE 6678	127			20.2			98			16000		
PRIDE 7715	132	107	167	19.6	21.8	17.6	98	90	96	23200	23771	17256
PRIDE 8824	126	129	144	21.0	21.8	18.0	99	98	95	23542	23314	23223
PRIDE R-803	101	131	122	19.9	19.9	19.0	100	95	97	22514	23542	21905
SEED-KEM SKX38	104			19.3			100			18742		
SEED-KEM SKX56	99			20.1			99			21942		
SEED-KEM SKX76	135			20.1			98			23885		
STEWART 5349	110			21.0			99			23085		
STEWART SX6834	105			19.5			100			18742		
SUPER-CROST 2350	105			19.1			97			20342		
SUPER-CROST 2390	99	104	162	18.9	22.3	16.6	99	91	98	22171	21942	23067
SUPER-CROST 2890A	116	121		19.5	23.9		100	99		23200	23314	
SUPER-CROST 4242	124	112	127	20.3	22.9	18.7	99	97	98	23200	23771	22537
SUPER-CROST 4350	85	118		19.4	22.6		100	98		23314	23771	
SUPER-CROST 5440	102	130	167	19.7	23.2	18.9	99	92	97	22628	23428	17838
TAYLOR-EVANS T.E. 6968	132	104	166	20.3	22.3	19.6	98	98	95	19771	23885	21461
TAYLOR-EVANS T.E. 6980	122	109	154	21.0	21.5	22.8	100	94	95	21142	23885	20937
TAYLOR-EVANS T.E. 6992	113	111	122	21.0	22.1	19.0	99	92	96	22400	23200	21219
TAYLOR-EVANS T.E. 6995	125	113		20.1	22.7		98	100		19428	22742	
TRACY T207	97			18.3			99			22057		
TRACY T209I	130			19.0			97			21600		
TRACY T210	82			18.3			97			19885		
TRACY T214	109			20.8			100			16457		
TRACY T316	119			21.8			98			20228		
VORIS V 2422	110		143	20.2		18.7	99		96	22171		23273
VORIS V 2532	117	129	146	20.0	20.0	18.8	97	85	97	22514	23428	21342
VORIS V 2592	101			20.5			99			23200		
WYFFELS W-26	128			18.9			99			21600		
WYFFELS W-60	113			19.8			99			22514		
AVERAGE OF 1977 ENTRIES	114			19.9			99			21964		
L.S.D. 10% LEVEL	24			1.3			3			2411		
L.S.D. 30% LEVEL	15			0.8			2			1519		
C.V	16			4.7			2			8		

Table 6. — West North-Central Illinois: Galesburg (Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO U 390	151	184		19.7	27.4		96	93		19991	19888	
ACCO UC 8951	138	179	190	20.6	25.7	24.0	98	97	98	19987	20110	19270
AG SEEDS AX 118	129			20.6			97			18670		
AG SEEDS AXS 119	145			21.5			99			19992		
AINSWORTH X-516	153	209		20.4	23.6		97	94		20014	19995	
AINSWORTH X-620	130			21.0			97			19991		
AMERICANA 3200	141		152	19.4		20.2	97		98	19984		19270
AMERICANA 3500A	165		161	19.6		20.0	95		95	19874		20000
AMERICANA 4700	125			20.0			98			20014		
AMERICANA 6700	144		157	21.2		24.4	93		97	20002		19479
ASGROW RX2345	140			17.8			95			19736		
ASGROW RX2722	127	178		19.9	22.3		97	95		20002	19782	
BO-JAC X7LB	136			21.2			97			20011		
BO-JAC X52A	143	189		20.2	21.0		92	89		19908	19891	
BO-JAC X528	138			19.4			95			19662		
BO-JAC X56	166	179	184	19.5	23.1	22.6	95	96	100	19771	20002	19687
BO-JAC X56B	132			20.2			92			19890		
BO-JAC X69	107	170	175	20.0	23.1	21.9	96	93	98	19670	19666	19791
BO-JAC X690	166			20.1			98			19990		
CORN KING 1357	114			19.5			95			19991		
DOCKENDORFF 7900	161			18.8			98			19757		
FS 240	135			17.4			96			19978		
FS 444	135	158	163	18.4	26.3	19.9	97	92	98	19016	19774	19791
FS 642	147	172		19.4	23.9		99	97		19667	20000	
FS 680	145	174	168	19.7	22.0	20.3	96	98	97	19556	19448	19687
FUNKS G-4321A	127	147	165	18.1	22.6	17.8	96	87	95	20010	19995	19791
FUNKS G-4430	146			18.2			96			19672		
FUNKS G-4449	145	135	164	20.0	24.2	18.0	93	98	97	20008	19999	19791
FUNKS G-4507	141	185	173	20.0	22.4	21.1	100	93	97	20000	19782	20000
FUNKS G-4520	159	184		19.7	23.1		97	91		20030	19998	
FUNKS G-4574	150			19.6			97			18999		
FUNKS G-4628	145			22.2			96			18576		
FUNKS G-4737	176	179	173	21.9	26.7	22.0	100	95	97	19541	20004	20000
HOBLIT XR441	121			20.0			91			19424		
HULTING X770	155	146	160	17.8	21.7	19.6	96	95	97	19993	19996	20000
HULTING X880	159	183	197	19.6	23.5	20.5	95	99	97	19995	20005	18645
LEWIS X24B	154	179	196	19.4	24.8	19.0	98	97	98	19895	19998	20000
LEWIS X33B	154	182		19.9	21.3		96	99		19536	20003	
LEWIS X62B	148	191	194	19.6	25.0	21.3	95	95	96	19774	19667	19687
LYNKS 4330	157			19.6			98			19776		
LYNKS 4510	138			20.8			95			19897		
MCALLISTER SX7300	142	175	188	20.2	25.2	22.4	97	96	100	20001	19383	19583
MCALLISTER SX7300B	173			21.8			96			19591		
MCALLISTER SX7402	161		160	17.7		18.1	96		99	19985		19375
MCALLISTER SX7406	144	183	180	20.1	23.3	19.7	94	90	97	18904	19551	19895
MCALLISTER SX7617	169			20.4			97			19780		
MCALLISTER TX7518	129	180		21.4	25.5		98	96		19993	19114	
MCCURDY MSX65	135	162		19.9	25.0		96	97		20023	18781	
MCCURDY MSX70	138	179		20.1	24.5		98	95		19997	19889	
MCCURDY MSX84	184	170	173	19.3	23.3	22.7	93	94	97	20013	19659	18541
O'S GOLD SX3400	183	180		20.2	23.4		94	97		19976	20002	
O'S GOLD SX5500A	155	167	171	19.9	23.8	21.2	94	96	98	20010	19887	19479
PFISTER 65	146	190		19.8	20.7		96	94		20000	19666	
PFISTER 68	168	164		20.5	23.7		96	97		19660	20000	
PFISTER 70	148	168		20.4	22.3		97	92		19794	19777	
PFISTER 75	157	170		19.4	24.3		92	97		19563	19996	
SEAGULL SX 10	115			17.2			97			19982		
SEAGULL SX 20AA	126			18.2			93			18904		
SEAGULL SX 25	143			19.9			96			19990		
SEAGULL SX 40	157	162	152	19.9	23.7	20.1	97	97	98	19779	20001	18125
SEAGULL SX 55	163	173	162	20.4	23.6	20.3	93	93	97	19440	19998	19895
SUPER-CROST 2890A	125			18.2			99			19540		
SUPER-CROST 4350	137	168		18.6	20.5		98	93		19983	19998	
SUPER-CROST 5440	125	168	165	18.9	23.6	20.6	95	88	96	20017	19667	18541
TRACY T209I	128			17.9			95			19330		
TRACY T210	135			18.5			97			19891		
TRACY T214	136			20.4			96			18786		
TRACY T316	128			20.1			94			19332		
U.S.S. 0555A	147			19.0			96			19980		
U.S.S. 1010	132			19.7			93			19110		
WYFFELS W-50	151	163		18.9	22.7		94	95		19896	19451	
WYFFELS W-60	154	198		20.1	22.8		96	94		19855	19776	
AVERAGE OF 1977 ENTRIES	145			19.8			96			19742		
L.S.D. 10% LEVEL	29			1.0			..			..		
L.S.D. 30% LEVEL	18			0.6			..			..		
C.V.	15			3.6			3			3		

Table 6a. — West North-Central Illinois: Galesburg, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO U 385	127	186		20.4	23.2		98	94		22857	23657	
ACCO UC 9351	154	187	189	21.2	25.1	19.7	99	88	98	23771	21942	22631
ADI 555	157			19.8			95			23428		
ADI 575	142			19.4			95			23542		
ADI 626	160			20.5			98			23085		
ADI 647	158			21.3			98			24000		
AG SEEDS AXS 104	136			17.5			95			23542		
AG SEEDS AXS 109	153			18.0			92			24000		
AG SEEDS AXS 114	159			19.2			97			23542		
AG SEEDS AXS 115	152			19.7			92			22514		
AINSWORTH X-615	146			19.6			95			23200		
AINSWORTH X-617	181			20.9			99			24000		
BO-JAC X7L	145	174	187	21.0	25.0	24.6	96	91	99	24000	23771	23368
BO-JAC X52A	145	226	203	20.5	23.7	22.6	91	92	97	24000	22628	23684
BO-JAC X52B	144	196	191	20.3	24.3	20.8	91	81	97	24000	24000	23368
BO-JAC X56	140	173	169	19.7	23.8	21.5	97	87	98	23771	23771	23684
BO-JAC X56B	157			19.9			95			23657		
BO-JAC X193	135			19.7			95			23542		
BO-JAC X347	157			19.9			93			22400		
BO-JAC X847	112			18.5			98			23314		
CARGILL 920	166	186	160	20.1	20.8	19.1	95	91	99	23771	22857	23684
CARGILL 949	176	175	192	19.4	23.4	20.7	94	96	98	24000	23771	23368
CARGILL 966	157			22.5			97			23200		
CORNELIUS C77SX	83	191	188	19.7	22.7	19.5	88	95	100	23428	23542	21263
DEKALB XL 43A*	143	140		18.8	22.3		98	94		24000	23428	
DEKALB XL 53	144			18.5			98			17257		
DEKALB XL 54*	141	158		19.5	21.9		97	79		22400	22857	
DEKALB XL 64*	127	153	174	20.4	23.6	19.7	97	90	99	23771	24000	23473
DEKALB XL 65B	129			19.5			98			23657		
DEKALB XL 72AA	141			19.3			93			22857		
DOCKENDORFF 7100	141			18.2			97			23314		
DOCKENDORFF 7700	173			20.1			97			23657		
DOCKENDORFF 8000	148			21.2			92			22628		
DOCKENDORFF D77	163	183	176	19.3	23.5	22.0	94	95	99	23085	23542	24000
FS 240	119			17.9			93			23200		
FS 444	130		131	17.6		17.7	96		98	23542		22736
FS 642	160	185		19.6	22.3		95	99		24000	22514	
FS 680*	158	165	159	20.0	24.2	21.1	98	98	98	22057	23314	21157
FEDERAL FX 39	142			20.1			93			21714		
FUNKS G-4321A	123	141	179	18.1	21.9	17.7	93	95	98	24000	23771	23578
FUNKS G-4430	119			18.1			92			23542		
FUNKS G-4449	148	151	187	20.7	24.4	20.7	97	92	99	24000	23200	23684
FUNKS G-4507*	119	173	176	19.7	23.8	19.4	96	98	98	23428	22857	23052
FUNKS G-4520	152	175		20.0	24.0		95	94		23314	23657	
FUNKS G-4574	135			19.7			98			23200		
FUNKS G-4628	120			22.2			96			22400		
FUNKS G-4737	160	194	162	23.0	24.9	23.8	96	92	91	23542	23542	24000
GOLDEN HARVEST H2500*	141			19.5			92			23314		
HUGHES 8023	123			17.8			95			22400		
HUGHES SLX-39	149	196	182	20.0	24.0	20.7	97	93	96	22971	24000	23473
HULTING X770*	144	144		18.2	22.9		95	76		24000	23657	
HULTING X880	164	205	198	20.3	22.1	21.1	93	92	97	24000	24000	23157
HULTING X980	151	170	198	20.9	24.5	24.4	97	89	99	23771	23657	22842
LANDERS 9911	142	169		19.5	22.0		97	92		22857	24000	
LANDERS 9913	132	169		20.5	22.0		94	88		23200	23771	
LANDERS 9915	168	182		19.9	22.9		94	86		22742	22514	
LEWIS X14B	127			17.3			90			24000		
LEWIS X17B	120			18.6			97			24000		
LEWIS X62B	168	173		19.4	25.4		98	93		22971	22971	
LEWIS X75B	132			20.0			96			23200		
LEWIS X76B	144			19.1			91			23885		
MCALLISTER SX7300	141	182	170	19.8	23.1	22.8	98	100	98	24000	23314	23052
MCALLISTER SX7406	161		176	20.6		20.0	95		98	23314		24000
MCALLISTER SX7408	116	165	171	20.2	21.6	22.6	94	90	97	24000	22857	23263
MCALLISTER SX7617	160			20.4			95			23542		

Table 6a. — Galesburg, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
MCCURDY MSX70	155			20.3			92			23657		
MCCURDY MSX84	155	185	170	19.7	23.5	20.9	97	92	97	24000	23314	22947
MCCURDY MSX88	165	177		21.8	24.7		97	94		22857	23771	
MIGRO M-0301	144	141		18.5	22.1		86	88		23771	23771	
MIGRO M-0505	134	187		19.5	23.4		95	96		23885	23085	
MIGRO M-2018 X	130			18.2			96			23885		
MIGRO M-2022 X	164			19.3			100			23771		
NORTHRUP-KING PX74	162		182	20.2		22.6	94		97	24000		22315
NORTHRUP-KING PX79	125		176	20.0		21.6	95		98	23885		23473
NORTHRUP-KING PX675	129		176	19.8		20.8	97		98	23542		23368
P.A.G. 314	178	194		19.8	24.5		96	88		23771	24000	
P.A.G. 340	154		174	19.6		20.6	96		99	24000		21684
P.A.G. SX 98*	158		165	21.3		24.5	96		96	23085		22631
P.A.G. SX 397	152			18.5			98			23428		
PFIZER TXS 115A	139	174	175	20.5	23.0	21.6	92	95	98	22857	22971	19263
PFIZER TXS 117A	155	183	162	20.9	23.8	23.1	94	87	98	23771	23314	23473
PFIZER TXS 119	173	168	167	22.0	25.3	23.8	95	93	94	23771	24000	23052
PIONEER 3780*	144	152		17.5	25.5		97	97		24000	23657	
POCKLINGTON P223	141			20.1			95			23771		
POCKLINGTON P-673	151	174		21.6	25.6		93	88		23542	22400	
POCKLINGTON P-6441A	140	162		20.9	24.0		97	93		24000	23314	
PRIDE 6678	150			19.0			98			23428		
PRIDE 7715	159	203	183	19.8	23.6	21.8	97	95	98	23657	23657	22736
PRIDE 8824	137	169		20.5	23.4		96	94		22400	23542	
PRIDE R-803	121	161	174	18.2	24.4	18.2	96	91	95	24000	23314	22000
SEAGULL SX 10	125			18.0			96			23771		
SEAGULL SX 25	148	164		20.0	21.1		95	94		23200	23885	
SEAGULL SX 33	165	153	167	19.8	23.5	20.0	96	85	96	23657	23657	23157
SEAGULL SX 40	156	178	177	20.2	24.6	21.5	98	93	97	23314	23771	19789
SEAGULL SX 55	166	153	173	20.8	22.3	21.7	98	91	96	23771	23885	23263
SEAGULL SX 59	149	173	167	20.9	23.1	23.3	94	95	96	22171	23771	20842
SEED-KEM SKX56	118			18.9			94			23428		
SEED-KEM SKX76	160	139		20.4	22.6		96	88		23885	23542	
STEWART S349	150			19.4			95			22742		
STEWART SX49	151	169	168	20.2	25.2	22.9	97	88	99	24000	23657	23684
STEWART SX70	173	186		20.4	25.0		95	84		21371	24000	
STEWART SX1973	169			21.7			95			22514		
STEWART SX6373	161	182		20.6	22.9		96	96		23085	22628	
STURDY-GROW S/G 805A	143			21.2			98			23314		
STURDY-GROW S/G 807	171	168		21.0	24.0		98	96		24000	22285	
STURDY-GROW S/G 825A	157			20.1			95			23657		
SUPER-CROST 2890A	127			18.6			99			23771		
SUPER-CROST 4242	146	190	151	18.8	22.0	19.2	95	79	97	23657	22628	22736
SUPER-CROST 4350	119	157		19.4	22.8		93	93		22400	24000	
SUPER-CROST 5440	134	177	195	19.9	23.1	20.3	99	91	98	23771	22971	19894
TAYLOR-EVANS T.E. 6935	125			20.4			96			23885		
TAYLOR-EVANS T.E. 6968	163	170	154	20.6	23.0	20.0	92	91	98	23314	23885	22210
TAYLOR-EVANS T.E. 6980	154	166	176	21.5	24.5	23.4	94	95	96	23314	23885	22421
TAYLOR-EVANS T.E. 6992	137	161	181	19.7	24.2	18.7	98	90	98	23200	22171	21368
TAYLOR-EVANS T.E. 6995	137	202		20.0	22.4		95	95		23542	23657	
TRACY T209I	136			18.3			98			22857		
TRACY T210	120			18.0			98			23428		
TRACY T214	153			20.3			91			23428		
TRACY T310	139			20.4			95			23885		
U.S.S. 0010	155			19.3			96			23771		
WYFFELS W-26*	142	145		18.2	20.9		98	91		23085	24000	
WYFFELS W-50	144	166		18.9	21.5		97	84		23428	23657	
WYFFELS W-60	150	169	189	20.6	23.7	22.6	97	93	97	22171	23200	22736
AVERAGE OF 1977 ENTRIES	146			19.9			96			23364		
L.S.D. 10% LEVEL	30			1.0			..			1156		
L.S.D. 30% LEVEL	19			0.6			..			728		
C.V.	15			3.8			4			4		

Table 7. — West-Central Illinois: Carthage (Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO UC 8951	82			23.9			95			22258		
ACCO UC 9451	77	144		22.7	23.2		96	95		21322	23314	
AINSWORTH X-605	74			23.2			92			24391		
AINSWORTH X-615	67			22.7			95			22805		
AINSWORTH X-619	75			23.0			97			23148		
AMERICANA 3200	77		123	21.6		19.7	94		98	21122		24000
AMERICANA 3500A	59			22.3			96			22015		
AMERICANA 4700	62			24.5			95			23123		
AMERICANA 6700	71		134	24.4		19.0	95		98	23244		22666
BO-JAC X7L	94	134		23.5	21.6		95	95		17690	22057	
BO-JAC X52A	95	144	133	23.0	19.9	20.7	95	96	96	23147	22628	23851
BO-JAC X52B	103			22.2			97			23916		
BO-JAC X56	82	109	131	23.2	19.9	18.5	95	96	99	23085	22742	24000
BO-JAC X563	92			24.0			95			20941		
CARGILL 920	87	102	126	22.3	18.8	19.5	96	96	98	23113	22857	23555
CARGILL 949	64	104	138	24.2	19.0	17.5	98	93	99	20218	23428	22962
CARGILL 956	61			24.6			98			20294		
DEKALB XL 65B	103			23.4			93			22008		
DEKALB XL 72AA	79			23.1			92			24138		
DEKALB XL 72B	97	118		23.9	21.3		96	88		22313	22971	
DENNIS DS6	84			22.1			97			22680		
DENNIS DS31	84	147	122	22.1	19.0	20.1	93	93	99	23497	22400	23851
DENNIS DS37	94	128	145	23.4	22.0	18.4	95	98	100	22787	23200	23851
DENNIS DS39	81			24.4			93			22562		
DENNIS DS47A	85			21.9			95			18500		
DENNIS DS48	67			22.9			96			23113		
FS 466	70	128		21.9	17.9		96	97		22382	23428	
FS 642	67	145		22.8	21.7		95	97		22677	23771	
FS 680	103	135	134	23.1	18.6	18.1	94	93	100	20228	21257	22666
FS 850	86	124	154	23.0	21.0	21.1	92	99	97	21873	20914	22814
FS 854	109	148	144	23.8	19.6	21.9	92	92	97	21187	22285	23111
FUNKS G-4321A	73	75	133	21.3	19.3	15.8	91	93	98	23269	23885	22962
FUNKS G-4430	66			21.5			92			23432		
FUNKS G-4449	64	92	112	24.3	19.0	18.4	98	92	99	22801	22514	24000
FUNKS G-4507	78	108	152	23.6	20.7	18.5	94	91	100	22310	21600	23703
FUNKS G-4520	56	117		14.6	20.6		91	92		20533	21142	
FUNKS G-4574	74			21.9			95			19345		
FUNKS G-4628	84	147		24.6	20.5		91	96		20893	22400	
FUNKS G-4737	78	145	147	25.6	22.9	21.8	98	96	96	22625	23542	23259
HOBLIT XR435	63			21.3			93			22694		
HOBLIT XR451	63	141		24.2	22.9		96	98		20727	21257	
HULTING X830	62	131		22.1	20.0		93	93		22486	22171	
HULTING X930	52	120		24.7	21.9		94	94		22690	23314	
LEWIS 405B	83			22.7			98			20138		
LEWIS 733B	73			23.4			94			23196		
LEWIS X62B	80	166	132	22.4	20.0	16.4	95	97	99	19986	22971	23407
LEWIS X69B	69			23.2			97			20737		
LEWIS X77B	71			23.3			95			23258		
MCALLISTER SX6837	81	155	141	24.4	19.6	19.4	94	94	98	20651	21942	23407
MCALLISTER SX7300	69	135	148	20.9	21.0	18.6	96	94	97	21821	22971	23851
MCALLISTER SX7406	93		115	21.5		17.2	91		98	22521		24000
MCALLISTER SX7408	61		103	23.1		19.8	96		98	23605		24000
MCALLISTER SX7617	79			23.2			96			22289		
MCCURDY MSX70	67	121		22.8	20.4		93	93		23310	22514	
MCCURDY MSX84	73	134	118	23.9	19.4	19.4	99	92	98	23532	22628	23259
MCCURDY MSX84A	83			22.3			93			21111		
NORTHRUP-KING PX74	62		128	24.3		18.8	94		100	21790		23407
NORTHRUP-KING PX76	87		127	24.3		17.8	88		98	22566		21629
NORTHRUP-KING PX79	46		119	22.8		20.5	96		99	24013		23259
NORTHRUP-KING PX675	78		112	22.4		17.7	95		97	20619		23111

Table 7. — Carthage, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
O'S GOLD SX3400	94	133		23.3	20.4		95	98		19806	23657	
O'S GOLD SX5500A	79		123	22.8		19.7	93		99	22791		22962
P.A.G. 314	76	122		22.2	20.4		96	91		22223	20914	
PFIZER T 1120	68			22.7			96			23386		
PFIZER TXS 114	87	124	151	23.1	22.4	20.2	96	92	99	19930	23314	23555
PFIZER TXS 115A	80	98	131	23.8	21.1	18.3	96	93	99	23369	23542	23851
POCKLINGTON P-673	73	144		24.0	20.3		91	96		23006	23428	
POCKLINGTON P-6392	76			23.9			94			20096		
POCKLINGTON P-6441A	57			22.4			93			22296		
PRIDE 7715	70	128	138	22.6	19.4	19.1	96	98	99	21374	23542	22370
PRIDE 8824	82	114	120	24.5	19.4	17.3	93	93	98	22746	21828	22814
PRIDE R-803	80	129	123	21.7	18.7	17.8	95	89	96	24041	22514	23407
SUPER-CROST 4350	73			22.6			95			23348		
SUPER-CROST 5440	75	129		23.1	18.5		94	95		23082	20571	
SUPER-CROST S85	72			23.8			93			22458		
TAYLOR-EVANS T.E. 6968	65	123		23.8	21.9		92	97		21513	22285	
TAYLOR-EVANS T.E. 6980	87	129		24.2	22.9		96	92		22770	23657	
TAYLOR-EVANS T.E. 6992	60	95		22.2	19.0		92	90		23099	22857	
TAYLOR-EVANS T.E. 6995	89	135		23.6	21.6		95	94		22133	23542	
U.S.S. 0010	86			22.8			95			20155		
U.S.S. 1010	71	137	132	22.0	23.7	20.2	95	97	100	22126	22400	22518
AVERAGE OF 1977 ENTRIES	77			23.0			95			22105		
L.S.D. 10% LEVEL	25			2.5			..			2724		
L.S.D. 30% LEVEL	16			1.6			..			1714		
C.V.	24			7.9			3			9		

Table 8. — Central Illinois: Hartsburg (Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO UC 8951	89	177	182	22.2	22.5	20.3	99	100	94	22742	23085	22911
AINSWORTH X-605	85			21.9			99			23771		
AINSWORTH X-609	122			21.8			99			22971		
AINSWORTH X-615	114			21.1			100			21828		
AINSWORTH X-617	133			21.8			99			23885		
AINSWORTH X-619	100			22.9			100			24000		
AINSWORTH X-620	103			22.4			99			23771		
ANDERSON AX-9	121	128		21.0	18.7		100	100		24000	23657	
ANDERSON AX-12	86	110		22.4	20.7		99	100		23542	22971	
ANDERSON SSL	103	161		21.8	20.8		99	100		21942	23200	
ANDERSON SST	134	151		22.2	21.0		99	100		19542	23085	
ANDERSON SSX	75	129		20.2	17.5		99	100		23428	23200	
ASGROW RX90	117	156		21.6	20.3		99	100		22628	22628	
ASGROW RX101	91			22.0			100			22742		
BO-JAC X7L	111	148	190	23.1	22.3	19.7	99	97	97	23885	23200	22269
BO-JAC X36	134			21.5			100			22742		
BO-JAC X52A	154	162	184	22.1	21.8	17.8	100	100	95	22971	22742	21004
BO-JAC X52B	93	150	203	20.9	21.6	16.8	99	100	98	21942	23885	22466
BO-JAC X56	115	169	180	21.4	20.5	16.3	100	100	98	23314	22400	22286
BO-JAC X83	129	167	198	22.5	22.8	19.2	99	98	99	23085	22171	21006
BO-JAC X193	104			21.1			100			22514		
BO-JAC X347	121			21.0			99			24000		
BO-JAC X847	94			21.0			100			23314		
CARGILL 920	104	115	155	20.3	17.7	16.8	100	100	98	22628	22285	21351
CARGILL 949	101	130	203	20.8	19.5	17.2	98	100	96	22514	23542	20908
CARGILL 966	108			21.9			100			24000		
DEKALB XL 64	124	152	148	23.0	19.4	17.4	100	97	97	23771	23771	22789
DEKALB XL 64A	123	138		20.8	19.2		98	95		23428	23885	
DEKALB XL 65B	118			20.5			98			21600		
DEKALB XL 72AA	144			21.5			99			23771		
DEKALB XL 72B	118			22.9			100			22057		
DENNIS DS6	118			22.3			100			23542		
DENNIS DS31	161	160		21.0	25.2		99	100		24000	23200	
DENNIS DS37	115	154	198	21.0	20.0	17.5	99	100	95	23657	23428	23738
DENNIS DS39	135			23.3			99			23314		
DENNIS DS47A	111			20.9			99			18742		
DENNIS DS48	88			21.9			99			22285		
FS 444	127			19.6			99			21714		
FS 642	142	164		21.6	21.0		99	100		23428	23314	
FS 680	122	148	148	21.2	19.3	16.5	99	100	95	18514	21600	22370
FS 850	102	148	162	22.5	23.3	20.2	99	100	90	24000	22400	23854
FS 854	103	167	199	23.2	23.1	19.7	100	95	87	24000	23542	22673
FUNKS G-4321A	108	119	183	20.9	21.0	14.7	100	100	97	22971	23428	23265
FUNKS G-4430	99			20.1			99			22400		
FUNKS G-4449	93	145	186	21.4	20.1	17.0	99	100	95	22857	23200	23263
FUNKS G-4507	111	111	164	21.4	19.0	16.5	100	97	100	23314	23314	23682
FUNKS G-4520	137	150		21.5	20.5		99	95		23771	23771	
FUNKS G-4574	97			21.9			99			21714		
FUNKS G-4628	124	147	189	22.6	21.0	20.2	100	98	98	21600	23085	23266
FUNKS G-4737	112	167		23.4	24.6		100	98		22628	24000	
GOLDEN HARVEST H2500	107	146		21.3	20.7		99	100		23428	23885	
GUTWEIN 62	106	142	188	22.5	20.0	17.6	100	100	99	23657	23771	20448
GUTWEIN 64	139	144	187	21.4	21.0	18.1	99	100	99	22628	23085	17642
HOBLIT X8441A	145	179		22.5	21.2		100	100		22285	21714	
HOBLIT X8451	117	158	161	22.1	20.6	19.7	100	98	98	23885	23200	22332
HULTING X880	76	134		21.8	19.9		99	100		22628	23542	
HULTING X980	87	144		23.5	25.0		100	100		22628	22857	
LANDERS 9911	110			22.4			99			22400		
LANDERS 9913	120			22.7			99			20457		
LANDERS 9915	143			21.4			98			20571		
LANDERS 9917	105			21.8			99			22628		
LANDERS 9919	85			22.9			99			20914		
LEWIS 7338	124			20.7			100			23885		
LEWIS X193	100			21.1			99			23428		
LEWIS X248	130	157	182	23.2	21.0	17.0	99	100	99	19771	22742	23758

Table 8. — Hartsburg, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
LEWIS X33B	110	153	200	21.7	22.6	17.3	99	98	98	23771	22742	21084
LEWIS X62B	113	120	186	22.7	18.9	16.5	100	97	98	23085	22742	23447
LEWIS X73B	135		174	23.0		19.6	99		93	19542		23985
LEWIS X77B	109			22.0			100			21485		
MCALLISTER SX7617	119			22.3			100			23085		
MCALLISTER TX7518	87	172		22.3	22.3		99	100		22628	23771	
MCCURDY MSX70	123	141		21.2	20.0		100	100		23657	22742	
MCCURDY MSX84	126	138	183	23.2	19.9	17.1	100	98	96	23314	22628	21837
MCCURDY MSX84A	148			20.3			100			22857		
MIGRO M-0301	103	97		19.9	19.3		98	94		23428	23885	
MIGRO M-0505	119	143		21.0	21.8		100	100		22628	23314	
MIGRO M-0601	129	159	185	22.2	20.5	18.1	99	100	99	23657	23428	23423
MIGRO M-2018 X	119			20.2			98			22285		
MIGRO M-2022 X	85			20.3			100			24000		
MIGRO M-6666	129	152	172	22.4	21.4	18.8	99	100	98	23085	24000	22643
NORTHRUP-KING PX74	119		175	21.6		17.9	99		98	23428		22452
NORTHRUP-KING PX79	82		160	20.8		16.8	99		97	21714		22750
NORTHRUP-KING PX675	89		160	21.5		16.3	100		97	24000		23030
O'S GOLD SX5500A	134	144	205	20.6	22.4	17.4	100	99	98	23428	23771	22161
O'S GOLD SX5500AB	115			21.2			99			22628		
P.A.G. 314	119	174		21.7	21.0		99	100		23200	23542	
P.A.G. SX 98	101		181	21.7		19.8	99		99	23657		22419
PFISTER 65	161	161		21.7	22.1		100	100		24000	22971	
PFISTER 68	125	148		22.4	21.4		99	95		22628	23771	
PFISTER 70	126	135		22.3	19.5		99	90		23771	23200	
PFISTER 75	100	139		20.8	18.4		99	97		20914	22057	
PFISTER 77	105	147		23.3	25.4		100	100		23657	23314	
PFIZER TXS 114	115	179	197	22.1	21.6	19.5	99	97	98	24000	22971	23970
PFIZER TXS 115A	83	146	180	21.3	21.0	15.3	99	95	97	22057	24000	22814
PFIZER TXS 117A	103	135		23.1	23.0		100	100		22057	23200	
PIONEER 3334A*	120		167	22.4		18.1	99		99	24000		23287
PIONEER 3388*	105		170	21.9		16.8	99		100	22057		22822
PIONEER 3517*	86			20.3			99			20342		
PIONEER 3780	76	140		22.3	17.7		99	95		23885	23085	
POCKLINGTON P-6341A	88			21.2			100			22285		
POCKLINGTON P-7661	114			22.8			100			23314		
STEWART SX70	133			22.5			99			22057		
STEWART SX1973	141			23.9			99			22514		
STEWART SX6373	118			21.6			100			21600		
STURDY-GROW S/G 805A	104			21.6			100			22514		
STURDY-GROW S/G 807	104	172		22.4	20.8		99	100		21600	23657	
STURDY-GROW S/G 825A	102			21.0			99			23200		
SUPER-CROST 4242	117			21.7			99			22971		
SUPER-CROST 4350	73	144		22.3	19.0		99	95		24000	23314	
SUPER-CROST 5440	110	162	182	22.1	22.3	16.9	99	98	98	23657	23771	23668
SUPER-CROST 585	106		147	22.3		19.5	100		98	22742		18300
TRISLER EXP. 377	136			21.7			99			22628		
TRISLER T-320	127	109		21.7	20.0		99	97		23542	22971	
TRISLER T-335	127	128	172	21.9	22.0	18.6	100	97	95	23771	23885	23107
TRISLER T-2500	100		150	20.9		14.7	99		94	23771		21901
TRISLER T-2500A	117			19.6			99			24000		
TRISLER T-5150	119	136	177	20.2	18.8	16.6	99	97	98	21371	22514	21179
TRISLER T-5450	122	188	173	21.7	19.3	17.4	99	98	95	22857	23771	22896
TRISLER T-5500	117	151	170	22.7	22.4	17.3	99	100	97	21828	23657	23583
TRISLER T-7350	142	160		23.3	22.0		99	100		23657	23314	
TRISLER T-7500	115	150	161	22.6	23.0	18.6	99	100	94	21714	24000	18313
AVERAGE OF 1977 ENTRIES	114			21.8			99			22773		
L.S.D. 10% LEVEL	31			1.3			..			..		
L.S.D. 30% LEVEL	20			0.8			..			..		
C.V.	20			4.6			1			8		

Table 9. — East-Central Illinois: Urbana (Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO AR4150C	143	215		26.6	26.6		99	84		19666	20000	
ACCO AR56235	141			28.9			100			20000		
ACCO UC 8951	151	186	223	26.3	25.5	25.7	100	94	100	19777	19874	18645
ACCO UC 9451	139	202	180	27.8	26.0	25.5	100	87	100	19888	19875	18597
AINSWORTH X-605	136			23.0			98			19222		
AINSWORTH X-615	138			24.3			99			19777		
AINSWORTH X-620	141			25.6			98			19222		
AMERICANA 3200	138		187	24.7		21.9	100		98	19444		19913
AMERICANA 3500A	120		164	24.5		19.1	99		100	19777		17825
AMERICANA 4700	134			25.4			99			19888		
AMERICANA 6700	126			25.0			98			19666		
ANDERSON AX-9	138	189	177	24.0	23.1	19.0	100	80	100	20000	19870	19494
ANDERSON AX-12	109	189	171	24.2	25.0	20.9	100	90	98	19777	19869	19818
ANDERSON SSL	149	184		24.3	25.5		100	89		19111	19875	
ANDERSON SST	133	181		25.4	24.3		98	92		19555	19621	
ANDERSON SSX	100	154		22.1	21.5		97	97		19444	18765	
ASGROW RX90	157		186	24.8		19.5	100		98	20000		20292
ASGROW RX101	142			26.4			100			19888		
ASGROW RX2445	122			23.6			100			19444		
BO-JAC X7L	116		163	25.8		22.7	99		100	19444		19721
BO-JAC X56	149	196	188	24.5	27.3	22.5	99	89	97	20000	19630	19348
BO-JAC X83	144	190	206	26.6	27.2	24.0	97	94	97	19888	19878	19690
BO-JAC X193	130			23.6			98			19555		
BO-JAC X616	110			23.6			96			19888		
BO-JAC X847	104			22.9			98			19888		
BO-JAC X923	157			28.1			100			19666		
CORN KING 1148	140	181	191	23.8	25.2	19.6	100	86	98	18777	19999	19625
DENNIS DS37	145			24.8			100			19888		
DENNIS DS39	154			26.0			100			20000		
DENNIS DS48	121			24.5			100			19444		
DENNIS DS337	143			23.0			100			20000		
FS 444	118			22.7			97			19222		
FS 642	144	195		24.9	27.5		100	88		19555	20005	
FS 680	144	176	179	24.7	26.0	22.5	100	97	98	19888	19993	18649
FS 850	146	170	169	26.6	27.2	24.6	99	100	97	19555	19510	19881
FS 854	144	191	167	28.4	24.3	25.5	94	61	92	19222	20000	18646
FREY F72	113	188		23.6	22.9		94	94		19777	19998	
FREY F76	146	193	173	26.3	23.4	20.3	100	84	99	20000	19997	19075
FREY FX65	120			24.7			98			19888		
FREY FX70	151	204	212	24.2	25.6	20.8	98	88	98	19666	19881	18779
FUNKS G-4321A	122	197	155	22.5	17.9	17.7	96	96	96	19666	19756	19954
FUNKS G-4430	143			22.1			95			19555		
FUNKS G-4449	122	196	178	24.1	24.1	19.6	96	85	100	19000	19747	18559
FUNKS G-4507	132	200	206	24.2	24.4	20.3	100	92	99	19666	19997	19524
FUNKS G-4520	154	186		24.9	23.9		100	89		19777	19749	
FUNKS G-4574	132			24.4			98			19555		
FUNKS G-4628	112	175		25.1	28.7		98	98		18222	19995	
FUNKS G-4737	145	174	190	28.1	28.1	24.7	98	95	97	20000	19998	19364
GOLDEN HARVEST H-2460 (EXP.445)	115	153		22.9	20.3		98	93		19555	20008	
GOLDEN HARVEST H2500	134	211	182	24.5	24.5	21.1	98	94	100	20000	19987	18762
GOLDEN HARVEST H-2577 (EXP.377)	141	197		26.3	26.6		100	92		19444	19373	
GOLDEN HARVEST H2600	135	175	162	23.7	26.1	20.4	100	95	98	20000	19630	19124
HULTING X770	141			23.2			98			20000		
HULTING X880	154	200	185	24.0	24.6	21.0	100	90	100	19777	19504	19710
HULTING X980	121	182	160	25.4	28.7	24.8	98	96	96	19444	19751	19451
HULTING X8800	128	183	192	24.9	27.4	21.7	97	97	98	20000	19871	19658
LEWIS 405B	131			24.6			98			19222		
LEWIS X33B	142	193		25.2	27.0		99	89		19888	20005	
LEWIS X62B	127	188	188	25.0	27.7	21.1	100	85	98	20000	19876	17207
LEWIS X75B	146			24.3			99			19444		
LEWIS X76B	121	187		22.3	23.4		92	97		20000	19879	
LEWIS X81B	187			28.1			100			19666		
MCALLISTER SX7300	141		195	24.4		20.3	98		100	19666		19874
MCALLISTER SX7408	118			25.5			100			19777		
MCALLISTER SX7617	140			25.7			99			19222		

Table 9. — Urbana, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
MCCURDY 76-74	152			24.9			98			20000		
MCCURDY MSX46	117	165		21.8	22.9		98	94		20000	19875	
MCCURDY MSX65	159	179		26.3	26.4		98	86		19555	19634	
MCCURDY MSX70	113	172		25.0	26.9		100	95		19666	19381	
MCCURDY MSX84	131	203	192	24.2	23.9	21.3	98	93	99	19444	19630	19641
MCCURDY MSX84A	133			23.8			97			20000		
MIGRO M-0301	131	221		22.5	22.9		97	95		20000	19145	
MIGRO M-0505	166	215		25.1	27.2		98	97		19777	19878	
MIGRO M-0601	164	208		25.7	25.8		100	85		19777	19995	
MIGRO M-2018 X	124			23.2			99			19888		
MIGRO M-2022 X	119			22.8			99			19888		
MUNCY-CHIEF H764	129	196	158	25.9	23.5	22.4	100	95	97	19222	18394	17109
MUNCY-CHIEF SX662	151	191	184	24.4	24.5	20.6	100	87	100	19222	20006	18326
MUNCY-CHIEF SX777	123	168	176	23.2	24.4	20.4	100	93	100	19888	20007	18365
MUNCY CHIEF SX8088	123	177		26.4	27.4		100	87		18111	20000	
MUNCY-CHIEF SX878	134	190	164	26.5	26.4	25.4	100	85	99	19777	19509	18811
NOBLE NB 235 X	112			25.2			97			19777		
O'S GOLD SX5353	136			26.4			100			19888		
O'S GOLD SX5500	126	181	153	27.0	28.9	23.9	98	101	98	19777	19747	18903
O'S GOLD SX5500A	137	198	200	24.3	24.9	22.4	100	98	97	19333	20001	17417
P.A.G. 814	151			23.6			99			19666		
PFISTER 65	167	173		26.0	25.4		100	86		19888	19884	
PFISTER 68	153	205		24.8	25.4		100	83		19555	19626	
PFISTER 70	131	191		24.6	24.1		98	95		19777	19998	
PFISTER 72	127			23.5			94			19888		
PFISTER 75	141	185		24.0	25.9		97	82		19888	20003	
PFISTER 77	120	173		28.0	27.9		98	99		19888	20009	
POCKLINGTON P-782	131			26.0			98			19000		
POCKLINGTON P-6341A	108			23.6			100			20000		
POCKLINGTON P-6342	131	164	208	25.9	24.8	23.3	100	86	99	19777	19137	19382
PRAIRIE STREAM GOLDENCROSS SX 44	118			24.0			100			19333		
PRAIRIE STREAM GOLDENCROSS SX 66	128			25.3			100			19666		
PRINCETON SX480	130			23.4			98			19888		
PRINCETON SX840	168	178	211	27.9	30.7	27.1	99	87	100	20000	19749	18805
SUPER-CROST 4242	132			23.5			100			20000		
SUPER-CROST 4350	112			23.0			100			19888		
SUPER-CROST 5440	136			24.2			100			20000		
SUPER-CROST 585	136			25.5			98			19666		
TRISLER EXP. 377	148			24.6			100			20000		
TRISLER T-335	131	187		25.4	24.4		95	91		19888	19995	
TRISLER T-5150	117	175		25.0	25.5		99	99		20000	19890	
TRISLER T-5450	153	195		23.9	27.9		100	98		20000	19998	
TRISLER T-5500	127	176		26.2	26.0		98	88		20000	19500	
TRISLER T-7350	148	208		25.5	26.9		99	60		20000	19997	
TRISLER T-7500	115	171		26.7	27.8		98	95		19555	19513	
U.S.S. 1010	132		170	24.1		21.3	99		98	19666		17834
VORIS V 2532	140			25.0			98			20000		
VORIS V 2602	133			25.7			100			19555		
VORIS V 2642	121			24.9			98			19111		
AVERAGE OF 1977 ENTRIES	135			24.9			99			19683		
L.S.D. 10% LEVEL	23			1.9			3			629		
L.S.D. 30% LEVEL	15			1.2			2			396		
C.V.	13			5.7			2			2		

Table 9a. — East-Central Illinois: Urbana, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO U 893	125			28.1			100			24000		
ACCO UC 8951	145	202	224	28.6	27.4	24.8	99	99	99	23882	23906	20925
ADI 815	134			25.3			100			23764		
ADI 595	132			25.4			100			23294		
ADI 596	114			27.5			100			23294		
ADI 626	154			29.6			100			24000		
AINSWORTH X-516	134	212		26.5	24.6		100	96		23058	23707	
AINSWORTH X-617	140			29.2			100			23411		
AINSWORTH X-619	119			26.2			99			23647		
ANDERSON AX-9	152	181	175	24.8	23.7	23.0	100	88	97	23411	23986	23375
ANDERSON 55L	130	188		26.4	25.2		99	95		24000	23013	
ANDERSON 55T	112	144		25.2	42.8		99	94		23882	23910	
ANDERSON 55A	133			27.0			99			23647		
ANDERSON 55X	105	164		21.9	21.4		99	87		23411	24020	
BO-JAC X7L	133		174	27.5		26.0	98		97	23882		24040
BO-JAC X52A	156	205	190	26.1	26.1	25.9	98	78	99	23882	23874	22063
BO-JAC X52B	153	234	182	26.5	24.2	21.5	99	87	98	24000	24001	22700
BO-JAC X56*	137	216	204	27.6	26.6	23.3	100	98	99	24000	23986	21656
BO-JAC X56B	156	202	202	26.5	25.1	23.9	100	91	98	24000	22364	20996
BO-JAC X88	146	208	210	25.7	27.8	27.2	100	97	98	21647	23745	21060
BO-JAC X193	135			25.5			100			22823		
BO-JAC X616	111			26.3			88			23411		
BO-JAC X647	111			23.6			100			23058		
BO-JAC X923	164			30.4			100			23411		
CARGILL 920	145	167	184	24.5	22.5	20.6	95	86	100	23411	24015	22810
CARGILL 949	147	220	191	26.0	24.6	26.7	99	92	99	23529	23645	20651
CARGILL 960	127			25.5			100			22941		
CENEX 2380	137			25.3			98			22588		
CENEX 2395	121			28.5			100			23294		
COKER 16	135			27.6			100			23529		
DEKALB XL 64*	131	166	169	25.6	23.9	23.4	99	82	97	22470	24000	21118
DEKALB XL 65B	141			25.4			100			23882		
DEKALB XL 72AA*	130			26.2			100			22705		
DEKALB XL 723*	149			26.9			100			23294		
DENNIS DS6	119			24.0			98			24000		
DENNIS DS31	120	179		25.5	27.0		100	94		23764	23334	
DENNIS DS37	132	228	191	28.2	24.2	22.1	100	96	99	22941	23368	23038
DENNIS DS39	136			28.1			100			24000		
DENNIS DS47A	128			24.8			100			22352		
DENNIS DS48	108			26.0			100			23764		
DOCKENDORFF 7700	128			27.0			100			23058		
FS 444	138			24.1			98			23882		
FS 642	151	174		26.0	25.7		100	92		23411	23992	
FS 680	140	219	184	25.7	23.7	22.5	100	98	98	23294	23384	21178
FS 850*	153	175	182	26.0	27.3	27.6	98	94	97	24000	23411	20979
FS 854	119	172	189	29.5	25.8	26.9	100	86	94	22000	23629	21340
FUNKS G-4321A	128	164	172	22.5	21.6	18.5	98	97	99	23411	23863	21073
FUNKS G-4430	97			23.8			98			24000		
FUNKS G-4449	134	162	204	24.4	22.3	21.5	100	77	98	23647	24018	21004
FUNKS G-4507*	128	188	217	24.6	23.4	26.1	100	96	100	22941	23956	24034
FUNKS G-4520	156	218		27.5	24.2		100	84		23058	23099	
FUNKS G-4574	116			25.3			100			23882		
FUNKS G-4628	118	162		29.7	28.1		100	96		23058	22384	
FUNKS G-4737	144	189	182	28.9	27.1	26.2	100	89	94	23529	22535	24051
GOLDEN HARVEST H-2460 (EXP.445)	111	178		22.2	21.3		100	100		23411	23363	
GOLDEN HARVEST H2500*	150	178	199	25.7	25.2	24.3	100	86	99	23764	24021	22262
GOLDEN HARVEST H-2577 (EXP.377)	137	188		28.2	28.9		99	81		24000	23645	
GOLDEN HARVEST H2600	124	186	177	23.5	23.3	23.1	97	95	99	23647	24021	23397
GUTWEIN 58	126			23.4			95			23764		
GUTWEIN 62	148	177	204	24.7	25.7	23.3	100	92	99	23411	23638	19996
GUTWEIN 64	155	194	187	26.2	24.9	23.2	98	87	100	23764	22601	22334
GUTWEIN 65A	126	197	182	28.7	23.1	24.2	100	84	97	23764	21385	22210
GUTWEIN 72	126	184		27.9	23.8		100	94		24000	23374	
HOBLIT X2450	125			28.0			99			23882		
HULTING X680	108	183		25.9	26.4		100	95		23294	22872	

Table 9a. — Urbana, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
HULTING X980	132	176		27.0	25.9		100	94		23529	23406	
HULTING X8800	118			26.6			100			22941		
LANDERS 9911	120	183		25.0	24.8		100	90		23764	22925	
LANDERS 9913	115	176		26.7	24.5		100	99		23764	24024	
LANDERS 9915	128	209		27.1	24.6		99	89		23529	23389	
LANDERS 9917	127	154		27.1	27.4		98	91		23529	23133	
LANDERS 9919	110	165		27.2	27.9		100	90		23882	23162	
LEWIS X14B	102			22.3			99			23411		
LEWIS X24B	165	224	217	27.1	25.4	27.2	100	82	98	23529	23776	23386
LEWIS X62B	125	190	208	26.9	25.9	24.0	100	87	97	22705	23497	21553
LEWIS X69B	134			27.5			100			23882		
LEWIS X75B	145			26.8			99			23882		
LEWIS X76B	131	170		25.1	22.0		100	91		23176	23966	
LEWIS X77B	122			26.7			100			23529		
LEWIS X81B	175			27.9			100			23647		
MCALLISTER SX7300	154		206	26.6		24.5	100		97	24000		19838
MCALLISTER SX7408	114		186	25.8		22.2	100		100	23647		21704
MCALLISTER SX7617	127			27.6			100			23294		
MCCURDY 76-74	123			25.2			100			24000		
MCCURDY 76-90	144			28.4			99			23882		
MCCURDY MSX65	147	215		29.6	25.2		99	91		23294	23847	
MCCURDY MSX70	120	192	181	27.7	26.7	20.6	100	91	98	23882	22979	21850
MCCURDY MSX84	145	188	236	27.6	25.8	20.2	100	94	98	23764	22641	22787
MCCURDY MSX84A	140			26.4			100			23529		
MIGRO M-0301	111	182		23.5	21.0		97	97		23647	23620	
MIGRO M-0505	133	193		24.9	24.6		100	94		23882	23717	
MIGRO M-2018 X	102			20.8			98			23882		
MIGRO M-2022 X	122			21.4			100			24000		
NOBLE NB 2461	102			22.4			100			23411		
NOBLE NB 2551	158			27.2			100			23529		
NORTHRUP-KING PX74	121		201	26.7		23.1	99		100	22823		20134
NORTHRUP-KING PX79	110			27.5			100			23058		
NORTHRUP-KING PX675	114		190	26.4		24.9	100		99	23529		23589
O'S GOLD SX5500	121	191		28.3	28.2		100	95		23529	23984	
O'S GOLD SX5500A	145			26.6			99			22823		
O'S GOLD SX5500AB	163			26.9			100			24000		
P.A.G. 314	145	188		26.4	24.0		98	88		23176	23634	
P.A.G. SX 98*	117	189	165	27.3	27.7	26.2	98	95	96	24000	22878	19541
P.A.G. SX 397	116			24.3			100			23058		
PFIZER T 1120	144			27.4			100			23764		
PFIZER TXS 114	134	187	204	27.0	24.7	27.6	100	95	97	23882	23993	23813
PFIZER TXS 115A	139	192	202	27.7	25.7	22.2	100	93	98	24000	23961	22215
PFIZER TXS 117A	128	202		27.0	23.7		99	93		23294	23780	
PIONEER 3780*	93		139	22.2		19.0	100		99	21882		22446
POCKLINGTON P-673	127	186		26.2	26.8		98	88		23882	23627	
POCKLINGTON P-6441A	113			27.6			100			23647		
POCKLINGTON P-7661	107			25.9			98			22941		
POCKLINGTON PX-6	109			30.1			100			24000		
PRAIRIE STREAM GOLDEN CROSS SX4	132	220	222	27.5	24.3	24.6	100	90	97	23647	23255	21611
PRAIRIE STREAM GOLDEN CROSS SX5B	140	197	195	27.5	27.7	26.7	99	92	98	23647	23603	21823
PRAIRIE STREAM GOLDEN CROSS SX6A	140	190	190	25.7	24.3	23.2	100	91	98	23647	23727	21036
PRAIRIE STREAM GOLDENCROSS SX 66	135			28.8			100			23058		
PRINCETON SX630	118	196	188	26.1	26.3	24.4	100	81	98	23411	24020	23187
PRINCETON SX840	136	202	205	31.2	27.7	28.0	100	83	99	23882	21976	22295
SEED-KEM SKX76	129	187		27.2	25.0		100	88		22941	23631	
SEED-KEM SKX86	134	196		27.0	25.3		100	93		23882	23869	
STEWART S386	109	160		26.5	24.6		100	98		23294	23106	
STEWART SX49	120	170		27.8	25.7		98	93		23411	23897	
STEWART SX70	138	191		28.3	26.4		96	72		23764	22881	
STEWART SX77	159	181		26.2	25.9		99	94		22470	23970	
STEWART SX1973	162			31.4			100			24000		
STEWART SX6873	138	202		28.2	27.5		100	84		23058	24002	
STURDY-GROW S/G 805A	143			27.7			100			23647		
STURDY-GROW S/G 807	148	216		24.3	24.8		99	88		23529	23986	
STURDY-GROW S/G 825A	142			27.1			100			23764		
STURDY-GROW S/G 827	157	195		26.0	28.4		100	83		23058	23359	
STURDY-GROW S/G 847	132			26.7			99			22352		
STURDY-GROW S/G 857	107			27.6			100			23764		
STURDY-GROW S/G EXP. 907W	103			29.5			99			23411		
SUPER-CROST 4242	120			25.0			100			22235		

Table 9a. — Urbana, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
SUPER-CROST 4350	98	174		23.2	22.7		100	87		24000	24024	
SUPER-CROST 5440	143	185	195	26.7	26.4	23.8	100	85	98	23764	23372	21477
SUPER-CROST S85	126	187	151	23.9	30.1	29.4	100	92	99	23058	22741	19750
TAYLOR-EVANS T.E. 6968	136	196	181	27.5	25.2	24.0	100	89	98	23647	23908	23555
TAYLOR-EVANS T.E. 6969	143	199	171	30.0	28.8	23.8	99	87	96	24000	23970	19454
TAYLOR-EVANS T.E. 6980	123	189	172	25.4	27.4	24.7	99	96	98	23411	23624	21870
TAYLOR-EVANS T.E. 6992	130	162	195	27.4	24.1	25.5	100	88	99	24000	23752	20169
TAYLOR-EVANS T.E. 6995	150	218		24.8	26.2		100	85		23647	23709	
TODD M75	118	187		24.8	24.6		100	91		23764	24002	
TODD M88	119	173		26.6	25.9		100	84		23529	23915	
TODD MX73	130	177	209	26.9	26.3	25.2	99	95	98	21882	23337	24011
TRISLER EXP. 377	134			27.6			100			23764		
TRISLER T-5150	116		188	24.3		21.9	99		99	24000		20944
TRISLER T-5450*	150		220	25.7		23.0	100		99	23529		21397
TRISLER T-7350	142			26.5			99			23882		
TRISLER T-7500	128		153	27.6		26.3	100		98	23764		17746
U.S.S. 3010	135	162		21.8	22.0		100	93		23294	24031	
U.S.S. 1010	142	203		24.9	26.4		100	94		23294	21762	
VORIS V 2492	113			24.2			100			23529		
VORIS V 2532	141	206	202	25.8	24.8	23.4	99	96	99	23647	24033	23326
VORIS V 2542	154	173	216	27.9	25.7	25.6	100	82	99	23647	23000	22098
VORIS V 2572	151	213		27.6	26.5		100	80		23411	23482	
WHISNAND 80	132	141	175	27.4	26.4	24.3	99	89	98	24000	23596	23492
WHISNAND 81	148	209	206	26.4	24.5	22.5	97	90	98	23764	23759	22558
WHISNAND 83	117			26.1			99			23647		
WHISNAND 85	129	189	170	25.1	24.0	22.5	99	76	97	24000	23950	23892
AVERAGE OF 1977 ENTRIES	132			26.4			99			23494		
L.S.D. 10% LEVEL	22			2.5			2			..		
L.S.D. 30% LEVEL	14			1.6			1			..		
C.V.	13			7.2			2			4		

Table 10. — West South-Central Illinois: Greenfield (Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
AINSWORTH X-615	93			19.4			89			19777		
AINSWORTH X-617	99			19.4			95			17666		
AMERICANA 3200	74		141	18.6		18.4	91		95	19444		16376
AMERICANA 4700	82			19.7			86			20000		
AMERICANA 6700	107		140	18.6		20.9	96		98	20000		15729
AMERICANA 9500	97			19.7			93			19444		
BO-JAC X69	68			21.3			87			20000		
CARGILL 966	106			19.7			92			20000		
CARGILL 979	86			19.2			92			19555		
FS 642	99	109		18.6	18.8		95	98		20000	19777	
FS 680	74	98		18.2	19.4		91	98		18888	19777	
FS 850	97	103	147	20.9	20.6	21.3	97	99	93	19555	19000	18459
FS 854	106	101	144	19.8	20.5	21.1	87	97	85	19555	19666	17579
FS 884	89		141	19.9		18.8	93		98	19111		18032
FUNKS G-4430	102			19.0			85			19555		
FUNKS G-4449	102	90	139	19.8	18.6	15.3	91	98	94	19666	20000	18207
FUNKS G-4507	110	88	151	19.6	18.2	18.2	95	99	94	20000	19444	18626
FUNKS G-4520	109	106		19.4	18.1		91	100		19777	20000	
FUNKS G-4574	58			19.4			91			19555		
FUNKS G-4628	105	80		19.8	19.5		97	95		19555	19888	
FUNKS G-4737	114	110	152	20.6	20.5	20.7	95	98	96	19777	19888	19013
FUNKS G-5666	79	103	155	19.0	19.3	18.7	90	93	96	19555	20000	19130
LEWIS X62B	93	95		20.3	20.3		94	99		19111	19444	
LEWIS X71B	86	100		20.4	15.9		90	99		19444	20000	
LEWIS X73B	90	122	162	20.4	20.0	20.6	97	99	92	19888	19777	17000
LEWIS X76B	96	116		19.1	17.3		79	92		19666	19888	
LEWIS X77B	84			20.2			90			19888		
LEWIS X81B	106			20.1			88			19333		
MCCURDY MSX70	99	111	148	20.7	19.8	16.7	89	98	92	19444	19444	19154
MCCURDY MSX84	82	87		20.0	17.7		89	99		19888	19555	
MCCURDY MSX84A	104			17.7			85			19444		
MCCURDY MSX88	122			18.8			96			19555		
MIGRO EXP-3416	101	113		20.9	19.7		96	95		18555	19777	
MIGRO M-0505	82			18.8			89			19888		
MIGRO M-0701EP	61			20.4			88			19222		
MIGRO M-7072	87	95		20.1	19.5		92	94		20000	20000	
P.A.G. 314	97			20.4			92			19777		
P.A.G. SX 98	102	90		20.3	20.3		91	95		19888	18777	
PFIZER TXS 119	102	93	141	21.2	20.0	20.4	92	97	98	18888	19222	18104
POCKLINGTON P-782	78	95		19.9	20.5		90	97		19666	19333	
POCKLINGTON P-6341A	79			20.0			92			19777		
POCKLINGTON P-6442	74			20.5			91			19555		
POCKLINGTON P-7441	66	94	174	19.2	21.0	19.0	93	93	99	18666	19777	17713
SUPER-CROST 4350	94			18.4			93			20000		
SUPER-CROST 5440	80			19.0			94			19444		
SUPER-CROST 5440A	87			19.4			92			20000		
SUPER-CROST S85	106			19.4			94			19555		
SUPER-CROST S85A	84			21.9			92			20000		
U.S.S. 1010	99		144	19.1		17.1	91		97	18777		17791
AVERAGE OF 1977 ENTRIES	92			19.7			92			19546		
L.S.D. 10% LEVEL	26			1.5			..			864		
L.S.D. 30% LEVEL	16			1.0			..			593		
C.V.	20			5.7			6			3		

Table 10a. — West South-Central Illinois: Greenfield, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
AINSWORTH X-619	108			19.9			94			23428		
AINSWORTH X-3517	111	110		18.9	17.6		94	98		22285	21344	
ANDERSON SSL	92			17.8			93			24000		
ANDERSON SST	105			18.0			88			22857		
ANDERSON SSW	93			20.0			96			23200		
ASGROW RX90	133			19.4			88			23542		
ASGROW RX101	91			19.3			88			23657		
BO-JAC X7L	93	111	176	18.9	20.0	20.9	95	97	96	23771	23176	22224
BO-JAC X52B	87	104	185	19.2	19.5	17.2	86	97	98	23085	23369	24189
BO-JAC X56B	96			19.0			90			22400		
BO-JAC X69	94			19.0			94			22171		
BO-JAC X83	98	110	164	18.8	19.3	18.2	96	93	97	22857	23508	24438
BO-JAC X690	106			19.1			83			23428		
BO-JAC X923	111			19.6			90			23885		
CARGILL 920	97	94	153	18.8	18.1	19.2	95	94	97	22400	23434	21491
CARGILL 949	90	84	158	18.4	18.2	17.6	91	99	91	22285	23124	20528
CARGILL 966	108			19.3			95			23885		
CARGILL 979	94			18.8			92			23428		
DEKALB XL 72A*	102			18.5			90			22742		
DEKALB XL 723*	130			18.8			92			22971		
DEKALB XL 76	105			20.4			86			23771		
DEKALB XL 81*	96			18.9			93			23085		
FS 642	101	101		19.7	18.2		95	98		22514	23821	
FS 680	94	105		19.6	17.7		93	97		22400	22696	
FS 850	92	129	163	20.1	19.9	20.1	93	96	97	22285	21089	19296
FS 854	119	104	172	20.1	19.6	19.8	84	92	92	21600	23578	21554
FUNKS G-4430	86			17.8			86			23200		
FUNKS G-4449	91	101	138	18.1	17.8	16.9	94	97	99	23085	22980	20767
FUNKS G-4507	108	97	178	19.4	19.5	18.2	93	98	97	23428	23386	21735
FUNKS G-4520	107	90		19.4	18.0		90	98		21600	23561	
FUNKS G-4574	103			19.1			91			23771		
FUNKS G-4628	93	103	167	20.1	19.7	19.0	95	96	97	22857	23500	23243
FUNKS G-4737	125	106	149	19.5	19.2	19.8	90	99	97	22971	23932	21327
FUNKS G-5666	81	92	158	19.2	19.3	18.4	90	97	94	22285	24030	22691
GOLDEN HARVEST H2500*	118			19.4			96			23200		
LEWIS 802B	112			19.4			80			23428		
LEWIS X33B	96	112		19.9	18.4		91	98		23200	21629	
LEWIS X62B	99	113		18.8	19.3		89	97		24000	22315	
LEWIS X71B	99	112		19.6	15.6		92	94		23428	23496	
LEWIS X81B	82			20.2			91			23085		
MCCURDY MSX70	114			19.5			90			23200		
MCCURDY MSX84	107	111		18.4	18.8		84	99		21600	21890	
MCCURDY MSX84A	101			18.7			76			22742		
MCCURDY MSX88	106	98	166	20.0	19.0	20.9	92	96	95	23200	22589	21853
MIGRO M-0505	90			20.5			92			24000		
MIGRO M-0701EP	83			18.4			89			23542		
MIGRO M-7072	76	94	161	19.8	18.2	17.4	91	94	95	23657	23334	20053
MIGRO EXP-3416	102	122		19.9	18.4		96	94		23542	22927	
MUNCY-CHIEF SX662	99	85	156	18.8	17.5	16.0	84	96	97	22285	23544	21808
MUNCY-CHIEF SX777	89	104	145	18.9	18.2	18.7	92	97	97	23542	23581	19265
MUNCY CHIEF SX8083	87	87		19.3	22.5		92	97		22057	21678	
NORTHRUP-KING PX74	111		151	18.9		16.8	93		98	23314		20806
NORTHRUP-KING PX78	74			18.7			92			23085		
NORTHRUP-KING PX875	85			18.4			90			23200		
O'S GOLD SX5353	117			18.1			86			24000		
O'S GOLD SX5500*	95	102		19.9	18.7		93	96		23428	21619	
P.A.G. 314	89			18.6			92			23428		
P.A.G. SX 98*	103	120	171	20.2	19.5	19.8	92	95	96	23885	23871	20884
PFIZER TXS 114	114	81		19.8	18.5		94	99		22742	23661	
PFIZER TXS 115A	76	91		18.6	19.7		92	99		23200	23432	

Table 10a. — Greenfield, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
PFIZER TXS 117A*	108	101		18.6	18.9		93	97		21942	23879	
PFIZER TXS 119*	86			19.7			93			22514		
PIONEER 3184*	142			22.3			97			23085		
PIONEER 3334A*	109		147	19.6		17.2	94		95	23657		21925
PIONEER 3369A*	97		156	18.5		16.9	92		95	23657		20579
POCKLINGTON P-673	101			19.6			87			23200		
POCKLINGTON P-6441A	88			19.6			92			23657		
POCKLINGTON P-7661	93			18.9			87			23200		
POCKLINGTON PX-6	94			21.2			86			23085		
STURDY-GROW S/G 805A	77			19.2			95			23428		
STURDY-GROW S/G 827	113			19.4			88			23657		
STURDY-GROW S/G 847	98			19.4			91			22971		
SUPER-CROST 4350	88			18.0			94			23542		
SUPER-CROST 5440	83	102	152	20.1	18.9	17.6	91	98	96	23542	23378	18183
SUPER-CROST 585	92	106		20.0	20.3		92	97		23200	22810	
TAYLOR-EVANS T.E. 6968	92	100		19.2	18.7		91	94		23885	21951	
TAYLOR-EVANS T.E. 6969	126	90		20.1	21.2		87	96		23771	22139	
TAYLOR-EVANS T.E. 6980	90	110		19.8	20.1		94	97		22628	23018	
TAYLOR-EVANS T.E. 6992	83	86		18.9	17.9		92	95		23428	23780	
TAYLOR-EVANS T.E. 6995	99	101		18.0	18.7		93	98		22971	23620	
TRISLER EXP. 377	98			19.7			89			23314		
TRISLER T-335	72	88		18.4	19.6		84	97		23314	23899	
TRISLER T-5150	88	82		19.3	15.4		95	95		24000	23889	
TRISLER T-5450	89	106		18.9	18.0		94	98		23200	23357	
TRISLER T-5500	96	97		18.2	17.0		90	95		23428	23955	
TRISLER T-7350	100	102		19.2	18.3		88	93		23085	23932	
TRISLER T-7500	92	94		20.3	19.2		93	97		23200	23761	
AVERAGE OF 1977 ENTRIES	99			19.3			91			23149		
L.S.D. 10% LEVEL	26			1.4			7			..		
L.S.D. 30% LEVEL	16			0.9			5			..		
C.V.	19			5.5			6			4		

Table 11. — Southern Illinois: Brownstown (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
AINSWORTH X-619	80			19.5			99			18000		
AINSWORTH X-620	86			19.6			98			17888		
BO-JAC X7LB	111	62		19.6	26.5		91	95		17777	17848	
BO-JAC X52A	100			18.7			96			18000		
BO-JAC X52B	109			19.0			91			18000		
BO-JAC X56	105	44		18.8	23.4		96	94		18000	17961	
BO-JAC X59	94		97	19.0		19.2	92		93	17555		18002
BO-JAC X83	114	74	119	19.2	23.0	18.1	97	97	88	18000	17999	17998
BO-JAC X690	96			18.4			96			17333		
BO-JAC X923	102			19.9			95			18000		
COKER 18	85			20.7			90			18000		
FS 680	108			17.4			91			18000		
FS 850	82	64	99	20.1	26.5	20.1	94	98	89	17777	17788	17998
FS 854	101	52	105	18.5	25.2	18.7	89	86	87	17666	17678	17999
FS 860	70	106	106	20.4	25.4	20.5	92	95	71	18000	18020	18002
FS 884	112	76	105	19.1	28.6	19.2	88	91	67	18000	18006	17999
FUNKS G-4430	75			16.7			86			17888		
FUNKS G-4449	69	22		18.8	21.4		98	88		18000	17894	
FUNKS G-4507	84	47	122	17.3	23.0	18.4	91	99	94	18000	17782	17997
FUNKS G-4520	91	35		17.4	22.3		92	93		18000	17975	
FUNKS G-4574	109			17.4			87			18000		
FUNKS G-4628	95	58	119	19.5	22.8	21.0	98	100	90	15888	17895	18000
FUNKS G-4737	96	78	120	18.6	27.5	19.8	97	95	90	18000	17876	18001
FUNKS G-5666	111	75	119	18.8	26.1	19.7	99	94	88	17777	18021	18002
HULTING X8300	80	49	122	19.1	21.6	18.2	90	93	83	18000	17894	18000
MCCURDY 76-29	78			19.0			93			17888		
MCCURDY MSP888	90	76		18.7	25.0		91	96		17222	17771	
MIGRO M-0505	97			17.8			98			17777		
MIGRO M-0701EP	81			17.1			88			17888		
MIGRO M-7072	75	71		19.2	22.3		89	95		18000	17709	
MIGRO EXP-3416	127	88		18.7	23.4		88	98		17888	17806	
O'S GOLD SX5353	101			18.9			97			17888		
O'S GOLD SX5400	84			17.8			35			17888		
PFISTER 65	96	38		17.6	22.4		96	91		17888	17717	
PFISTER 68	102	38		18.1	25.4		93	98		18000	17421	
PFISTER 75	91	41		18.3	23.5		81	96		17333	17958	
PFISTER 77	95	43		19.2	23.9		95	98		17666	17984	
PFIZER TXS 119	77	76		20.8	24.5		96	99		17444	17895	
PRINCETON SX840	94	88		18.4	22.6		97	94		17888	17854	
SUPER-CROST 5440	98			19.2			94			17888		
SUPER-CROST 5440A	93			18.6			95			17888		
SUPER-CROST 585	78			18.8			92			18000		
U.S.S. 0555A	80		85	18.2		14.5	91		85	17777		18004
U.S.S. 1010	92	65	124	17.9	26.2	17.3	93	93	79	18000	17664	18000
U.S.S. 1515	89	53	93	19.8	23.3	19.7	100	94	88	17888	17875	17997
VORIS V 2532	108			18.4			94			18000		
VORIS V 2602	93			18.3			91			17888		
VORIS V 2642	79			18.4			91			18000		
AVERAGE OF 1977 ENTRIES	94			18.8			93			17825		
L.S.D. 10% LEVEL	..			1.6			7			583		
L.S.D. 30% LEVEL	..			1.0			4			367		
C.V.	21			6.1			5			2		

Table 11a. — Southern Illinois: Brownstown, Increased Planting Rate
(Planted at 22,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ADI 555	103			18.2			89			21025		
ADI 626	81			18.5			92			19902		
ADI 646	108			19.0			91			21899		
ADI 647	103			18.3			58			21178		
AINSWORTH X-516	70	113		18.1	24.0		80	95		20602	21888	
AINSWORTH X-518	85	107		19.1	21.1		86	95		21015	20888	
AINSWORTH X-617	129			22.3			100			19855		
ASGROW RX90	89		124	18.8		16.8	89		82	20686		22050
ASGROW RX100	73	119	124	20.3	26.7	20.9	92	99	80	21465	21777	21890
ASGROW RX101	75			19.3			98			22015		
BEAR 620	49			25.2			68			21454		
BEAR 810	93			18.7			92			21576		
BO-JAC X7L	69		97	19.5		20.3	92		100	21455		16799
BO-JAC X7LB	72	75	118	19.2	23.6	22.4	96	98	87	21516	21000	22097
BO-JAC X56	110	52	93	11.8	20.8	19.0	83	97	98	22000	22000	19325
BO-JAC X83	86	81	134	19.7	20.9	17.5	93	98	67	21602	21555	16621
BO-JAC X923	76			18.7			94			21927		
CARGILL 949	109	47	129	17.7	22.3	18.0	89	100	88	22058	21888	22080
CARGILL 966	74			18.8			90			21343		
CARGILL 979	64	50	112	18.9	22.5	20.2	92	92	83	21348	21222	21802
COKER 16	85			18.7			89			21604		
COKER 22	70			19.1			97			21966		
DEKALB XL 72AA*	77			18.2			93			20418		
DEKALB XL 728*	97	109		18.9	25.5		92	96		21728	22000	
DEKALB XL 78	75			19.4			85			21963		
DENNIS DS31	156			20.7			96			19832		
DENNIS DS37	78			18.9			95			21684		
DENNIS DS39	88			18.4			91			21987		
DENNIS DS48	115			12.2			83			22000		
DENNIS DS69	112			17.0			71			21746		
FS 680	103			17.9			93			20388		
FS 850*	79	91		19.7	25.3		96	97		21157	21444	
FS 854*	69	68	111	18.9	24.9	19.2	92	95	89	21442	21444	21639
FS 860*	134	123	104	22.4	25.4	20.7	100	94	88	19814	21666	21901
FS 884	84	87	131	19.1	26.3	20.9	84	93	91	21617	22000	22216
FUNKS G-4430	51			25.1			70			21421		
FUNKS G-4449	90	55	141	17.4	20.7	16.2	92	96	87	21480	21111	21839
FUNKS G-4507	62	53	140	26.1	19.9	17.7	83	99	92	21785	21555	22039
FUNKS G-4520	104	48		19.4	21.0		83	96		21417	21000	
FUNKS G-4574	89			16.9			88			21672		
FUNKS G-4628	82	94	123	19.5	23.6	21.2	98	98	89	21768	22000	21921
FUNKS G-4737	88	101	114	17.8	26.6	20.0	97	95	85	21392	21666	21249
FUNKS G-5666	58	62	106	25.7	25.3	20.3	90	94	80	21637	22000	21745
GOLDEN HARVEST H2500*	54	55	129	25.1	24.2	17.7	84	100	88	21490	22000	21433
GOLDEN HARVEST H2650*	32			26.9			88			21749		
GUTWEIN 72	90			18.5			90			21969		
GUTWEIN 88	89			19.9			97			21770		
GUTWEIN 89A	81	77		20.4	25.1		98	94		21388	20777	
GUTWEIN EX-087	53			26.7			88			21393		
HOBLIT XR441A	74	103		18.8	25.2		94	97		21890	22000	
LANDERS 9915	55			19.2			92			21764		
LANDERS 9917	102			11.9			82			22000		
LANDERS 9919	100			18.5			95			21696		
LEWIS 802B	71			18.4			97			21359		
LEWIS X77B	81			17.9			96			22000		
LEWIS X78B	105	101		11.0	25.6		84	99		22000	21000	
LEWIS X81B	103			23.0			100			19695		
LEWIS X82B	87			18.8			96			21433		
LEWIS X84B	45	104	128	27.2	24.6	21.6	90	97	88	20558	21555	22053
MCCURDY MSX70	75	81		17.7	21.9		96	98		21236	20888	

Table 11a. — Brownstown, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
MCCURDY MSX88	62	115		26.3	24.9		87	97		21015	21111	
MIGRO M-0505	100			11.5			81			22000		
MIGRO M-0701EP	46			17.6			92			21747		
MIGRO M-7072	88	82	129	17.3	24.2	18.8	85	91	87	21664	21777	22019
MIGRO EXP-3416	109	92		19.1	23.2		90	95		21740	22000	
NOBLE NB 2551	70			18.2			94			21759		
NORTHRUP-KING PX74	141		124	11.7		17.3	83		87	22000		21729
NORTHRUP-KING PX79	62		101	17.8		19.0	95		92	21899		21803
NORTHRUP-KING PX95	61			21.6			78			21648		
NORTHRUP-KING PX575	69		117	17.8		17.4	94		88	21903		21738
O'S GOLD SX5353	143			21.3			100			19253		
O'S GOLD SX5400	76			17.8			86			21822		
P.A.G. 314	72			18.2			93			21808		
P.A.G. SX 98	75	61	121	19.2	25.3	20.0	97	97	87	21968	21444	20418
PFIZER TXS 114	129	77	120	10.8	21.3	17.1	80	97	92	22000	21555	21994
PFIZER TXS 115A*	84	45	129	18.2	21.7	18.6	81	99	91	21643	21444	22006
PFIZER TXS 117A	118	51		10.4	23.8		83	99		22000	20666	
PFIZER TXS 119	64		116	19.0		18.8	96		88	21940		22153
PIONEER 3334A*	61	103	118	18.7	26.5	19.2	95	95	92	21069	21666	21924
PIONEER 3369A*	151	103	99	21.6	21.9	18.7	100	96	69	18782	21666	21340
PIONEER 3780*	65			16.8			95			21702		
POCKLINGTON P-782	64			19.0			88			21987		
POCKLINGTON P-813	50			18.2			90			21976		
POCKLINGTON P-7441	75		128	19.0		18.1	93		86	21617		22235
POCKLINGTON PX-8	72	89		19.4	24.5		95	97		21550	20666	
PREMIER SX633	86	41		18.1	24.1		88	97		21398	20666	
PREMIER SX655	66			18.7			94			21992		
PREMIER SX688	49	80		20.0	24.7		98	98		21968	21555	
PRINCETON SX480	73			18.2			78			21738		
PRINCETON SX840	59	109		20.6	26.1		98	98		22110	21444	
RING AROUND RA 1501	121			22.4			100			18749		
STURDY-GROW S/G 805A	72			18.3			79			21529		
STURDY-GROW S/G 827	149			21.8			100			18576		
STURDY-GROW S/G 847	94			18.9			87			22059		
SUPER-CROST 5440	71	56		18.7	23.0		90	98		21886	21666	
SUPER-CROST 585	39			27.0			91			21625		
TAYLOR-EVANS T.E. 6947	45			20.5			91			21974		
TAYLOR-EVANS T.E. 6968	89	83	135	17.6	24.7	17.9	92	95	86	22112	22222	21828
TAYLOR-EVANS T.E. 6969	117			10.9			85			22000		
TAYLOR-EVANS T.E. 6992	76	62	136	18.4	24.1	18.0	93	93	85	21749	21777	21816
TAYLOR-EVANS T.E. 6995	73	50		18.1	21.9		96	98		22059	21777	
TODD M75	97			10.2			80			22000		
TODD M88	89			18.0			86			21797		
TODD MX73	139			24.1			100			19009		
U.S.S. 0010	92			17.6			78			21599		
VORIS V 2592	135	62		22.6	22.1		100	95		19604	20555	
VORIS V 2602	65			17.8			93			21256		
VORIS V 2642	37	90	121	20.4	24.3	20.9	96	99	88	21907	21666	21902
AVERAGE OF 1977 ENTRIES	77			18.7			92			21621		
L.S.D. 10% LEVEL	..			1.6			10			1431		
L.S.D. 30% LEVEL	..			1.0			6			901		
C.V.	25			6.5			8			5		

Table 12. — Extreme Southern Illinois Upland: Carbondale (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO AR38755	114			18.2			99			17478		
ACCO UC 8951	86			18.6			99			16309		
ACCO UC 9792	98			18.8			95			17569		
BO-JAC X69	84			15.5			99			16329		
BO-JAC X83	105	97		17.2	20.4		98	97		17976	17829	
BO-JAC X923	127			18.8			100			16954		
COKER 18	75	65		17.0	21.1		97	97		18625	17739	
FS 680	118			16.1			98			16446		
FS 850	105			17.5			96			17232		
FS 854	83	86	82	16.8	20.9	26.2	98	92	94	15656	17629	18000
FS 860	111	92	100	19.3	20.4	26.4	96	94	97	15679	18053	17892
FS 884	88	118	83	19.4	21.0	25.2	99	95	88	17752	17970	17892
FUNKS G-4507	111	100	68	16.4	18.0	23.4	98	98	97	17269	17271	17785
FUNKS G-4520	93	104		16.3	19.0		99	97		14095	17855	
FUNKS G-4574	93			16.6			96			18322		
FUNKS G-4628	104	82	59	17.5	19.3	26.1	97	99	97	16221	17468	17571
FUNKS G-4737	82	47	72	18.3	19.7	24.9	93	92	93	17241	17610	18000
FUNKS G-4747W	91	140	118	19.6	22.0	25.5	97	96	94	17341	17922	18000
FUNKS G-5666	72	76	73	17.8	20.9	23.8	98	95	93	17049	17370	17357
HULTING X880	82			16.8			96			17031		
HULTING X8800	97			16.7			98			16356		
P.A.G. SX 17A	113			17.3			96			16884		
PFIZER TXS 119	97			17.1			97			17921		
PRINCETON SX840	90	105	80	18.7	20.1	25.1	96	95	93	16937	17843	17571
TRISLER EXP. 377	102			16.6			98			15608		
TRISLER T-335	93	134		15.6	19.4		97	97		16793	17901	
TRISLER T-5150	78	61		16.0	18.3		99	96		17699	18045	
TRISLER T-5450	100	71		16.0	16.5		99	94		18132	16753	
TRISLER T-5500	83	104		16.6	18.0		98	94		17541	17846	
TRISLER T-7350	88	106		17.5	19.2		98	96		17797	16530	
TRISLER T-7500	91	72		16.0	17.7		97	100		15990	17797	
ZIMMERMAN Z-11-W	102			20.5			96			16695		
ZIMMERMAN Z-19-W	103			19.4			94			13798		
ZIMMERMAN Z-52-W	100			19.5			98			17242		
AVERAGE OF 1977 ENTRIES	94			17.5			98			16864		
L.S.D. 10% LEVEL	17			1.1			..			..		
L.S.D. 30% LEVEL	11			0.7			..			..		
C.V.	13			4.8			3			9		

Table 12a. — Extreme Southern Illinois Upland: Carbondale, Increased Planting Rate (Planted at 22,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO UC 8951	136			19.1			95			21000		
ACCO UC 9792	75			18.8			98			21000		
BO-JAC X7L	87			16.1			97			17444		
BO-JAC X52A	120	116	97	16.5	20.1	27.1	99	92	97	18444	19967	21266
BO-JAC X52B	96			17.4			98			19111		
BO-JAC X56	113	124		15.5	20.8		96	87		18555	21865	
BO-JAC X56B	114			16.8			98			18111		
BO-JAC X83	111	125	106	18.6	19.3	25.8	98	92	99	17777	21391	21476
BO-JAC X193	111			16.1			99			19888		
BO-JAC X347	108			15.3			98			20000		
BO-JAC X847	84			16.8			100			19888		
CARGILL 949	104			16.4			100			16777		
CARGILL 966	111			16.7			99			19555		
CARGILL 979	101			16.9			98			15111		
COKER 16	125	127		17.4	19.1		97	90		19888	21150	
COKER 22	120			19.2			98			17222		
DEKALB XL 72AA	116			16.2			97			21333		
DEKALB XL 72B*	118	127		16.5	20.7		100	94		21000	20638	
DEKALB XL 75	120			17.3			99			19333		
FS 680	129			15.7			98			19444		

Table 12a. — Carbondale, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
FS 850	101	101		17.7	19.7		98	90		22000	21413	
FS 854	101	95	114	18.0	21.5	26.9	99	85	97	17555	21984	20533
FS 860*	105	138	128	19.6	21.9	27.5	99	91	98	20777	21659	21790
FS 884	124			18.4			98			19777		
FUNKS G-4507	112	87	83	17.4	17.8	25.2	100	89	98	18222	21115	18857
FUNKS G-4520	119	127		17.8	20.7		99	82		18888	21531	
FUNKS G-4574	111			15.6			97			20000		
FUNKS G-4628	86	94	95	16.7	18.2	28.5	98	72	99	15222	20413	21685
FUNKS G-4737	124	82	106	18.5	20.0	28.1	97	90	96	20000	21710	21161
FUNKS G-4747W*	101			19.7			98			21000		
FUNKS G-5666	81	111	93	18.9	18.6	26.3	97	87	94	19777	21610	21476
MCCURDY 72-44A	109	120		18.8	19.3		95	93		19666	21862	
MCCURDY 76-92	104			19.0			98			17222		
MCCURDY MSX88	107	132		16.8	17.7		97	74		19444	21331	
NORTHRUP-KING PX74	111	109	89	16.9	16.3	25.3	98	86	96	18333	20945	20847
NORTHRUP-KING PX79	87	116	84	16.5	18.5	25.8	100	92	99	19333	21211	21580
NORTHRUP-KING PX95	97	135		20.6	21.1		96	91		19666	20993	
NORTHRUP-KING PX675	90	110	84	16.0	17.1	26.9	99	94	97	20555	21421	21895
NORTHRUP-KING PX715	97	113		19.6	21.0		96	98		17444	21953	
P.A.G. 314	85	83		15.6	19.3		99	70		20444	21688	
P.A.G. EXP. 246006	125			16.6			100			18111		
P.A.G. SX 17A	88			16.8			97			21888		
P.A.G. SX 98*	109	107		17.4	19.5		98	94		19444	18524	
PFIZER TXS 114	121	100		16.0	19.4		96	96		17555	21947	
PFIZER TXS 115A	116	120	74	17.0	18.8	26.2	98	93	96	19666	21591	21371
PFIZER TXS 117A	108	89	93	17.0	17.2	27.0	99	91	98	18666	20776	22104
PFIZER TXS 119*	110	109	100	19.0	20.5	27.7	99	94	96	19888	19289	20638
PIONEER 3184*	121			19.1			94			20000		
PIONEER 3331*	90			17.7			99			19777		
PIONEER 3334A*	98	109	81	16.9	18.5	27.0	98	91	97	21111	21453	22000
PIONEER 3368A*	99			16.7			99			15111		
PIONEER 3369A*	129	117	106	15.9	18.3	26.6	97	93	97	19444	21777	21057
POCKLINGTON P-813	91	122		16.5	21.5		98	82		19333	21653	
POCKLINGTON P-880	105			19.0			95			18111		
POCKLINGTON P-7661	122		96	16.3		27.1	94		97	20555		21580
PRINCETON SX850	94			18.2			98			16555		
RING AROUND KA 1501	120			16.6			98			18666		
SEED-KEM SKX86	90			16.6			98			17555		
SUPER-CROST 5440	126			16.2			98			20000		
SUPER-CROST S85	140			16.2			97			15888		
TAYLOR-EVANS T.E. 6947	105			19.7			99			17222		
TAYLOR-EVANS T.E. 6968	98	116	103	17.6	19.4	27.9	98	95	97	18555	20624	20533
TAYLOR-EVANS T.E. 6969	82	119	78	18.6	20.9	29.4	95	88	99	16666	21808	19695
TAYLOR-EVANS T.E. 6980	94		99	17.7		27.1	100		97	17222		20638
TAYLOR-EVANS T.E. 6992	104	88		16.0	17.8		99	88		19444	21100	
TAYLOR-EVANS T.E. 6995	111			16.4			99			18444		
WHISNAND 80	84	102		17.0	18.3		96	96		18333	21230	
WHISNAND 85	104	117		16.4	18.1		100	94		20444	20361	
ZIMMERMAN Z-11-W	88			19.3			96			21555		
ZIMMERMAN Z-19-W	89			18.8			97			17777		
ZIMMERMAN Z-20-Y	105			18.4			88			10777		
ZIMMERMAN Z-24-Y	113			17.2			97			19333		
ZIMMERMAN Z-52-W	106			19.4			98			20888		
AVERAGE OF 1977 ENTRIES	104			17.5			98			19071		
L.S.D. 10% LEVEL	25			1.3			..			..		
L.S.D. 30% LEVEL	16			0.8			..			..		
C.V.	18			5.6			3			15		

Table 13. — Extreme Southern Illinois Bottomland: Dixon Springs
(Planted at 20,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO AR53235	118			21.2			88			20000		
ACCO UC 9792	163			21.1			97			19000		
BO-JAC X7L	117			20.1			72			20000		
BO-JAC X56	135	192		18.9	22.9		65	97		20000	20002	
BO-JAC X563	133	191		19.2	23.2		93	96		20000	19591	
BO-JAC X83	131	182	184	20.3	22.8	25.3	87	98	96	20000	19881	19770
BO-JAC X923	169			21.6			96			19111		
COKER 18	135	181		21.9	24.1		79	99		19777	19979	
COKER 22	155	195		21.8	26.0		96	100		19666	19814	
FS 850	123			20.3			79			20000		
FS 854	117	180	178	21.8	26.6	27.8	76	97	78	19444	20010	18674
FS 860	117	176	164	22.6	28.7	25.9	59	97	91	19888	19977	19698
FS 884	122		130	21.2		25.5	80		78	20000		18880
FUNKS G-4507	128	163	168	18.8	22.8	24.0	71	100	96	19888	19889	19450
FUNKS G-4520	156	175		18.8	23.8		100	98		17222	19982	
FUNKS G-4574	113			19.3			77			19777		
FUNKS G-4628	110	157	147	20.4	25.4	24.8	88	96	91	18444	20002	19813
FUNKS G-4737	148	165	163	20.9	25.7	27.6	97	97	95	19333	20001	18908
FUNKS G-4747W	120	187		22.6	27.9		83	98		19777	20000	
FUNKS G-5666	106	172	155	20.4	23.8	26.3	83	99	94	19888	20020	19440
HOBLIT XR448A	150			19.8			93			20000		
HULTING X980	140	179		19.9	25.0		80	98		19555	19983	
MCCURDY 67-14	126	150	182	23.6	31.1	27.6	84	100	94	19555	19992	18876
MCCURDY 76-29	150			21.4			87			19444		
MCCURDY MSP388	127	177		19.3	24.7		83	98		19777	19996	
O'S GOLD SX5353	122			19.7			81			20000		
O'S GOLD SX5400	129			20.5			83			19888		
PFIZER TXS 119	126	157		21.4	25.8		76	97		20000	19985	
POCKLINGTON P-880	104			21.0			77			20000		
POCKLINGTON P-6342	132	147	127	19.7	22.6	24.7	99	99	93	20000	19980	18696
PREMIER SX633	123	168		18.9	22.3		92	98		19333	19437	
PREMIER SX655	110	129	157	19.4	25.0	25.4	94	100	92	19888	19105	18852
PREMIER SX688	126	180	182	21.3	24.2	26.1	92	100	98	19444	19114	19918
PRINCETON SX840	156	201	190	20.6	24.7	28.1	91	97	97	20000	20024	19713
PRINCETON SX910	120	169	179	22.0	28.3	29.4	92	99	97	19222	20002	19609
U.S.S. 1515	127	197	158	20.6	21.6	25.2	93	99	95	20000	19989	20084
WHISNAND 81	135	197		19.0	21.7		61	98		19444	19016	
WHISNAND 85	137	182	161	20.4	21.4	24.3	93	99	94	20000	19996	19564
ZIMMERMAN Z-11-W	152	186		21.0	28.0		84	99		19666	20020	
ZIMMERMAN Z-19-W	131			19.9			86			18777		
ZIMMERMAN Z-20-Y	122			21.7			76			20000		
ZIMMERMAN Z-24-Y	150	186		19.7	23.8		96	99		19888	19892	
ZIMMERMAN Z-52-W	144	175		21.8	29.8		92	99		19333	19993	
AVERAGE OF 1977 ENTRIES	132			20.4			85			19658		
L.S.D. 10% LEVEL	24			1.0			..			..		
L.S.D. 30% LEVEL	16			0.6			..			..		
C.V.	14			3.6			18			4		

Table 13a. — Extreme Southern Illinois Bottomland: Dixon Springs, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
ACCO AR38755	160			20.5			48			23556		
ACCO UC 8951	134	201		20.5	24.4		52	99		23873	23195	
ASGROW SX90	108	174	200	18.8	21.3	24.8	44	99	94	23767	23600	21960
ASGROW RX101	113	140		19.6	25.6		83	98		23407	20551	
ASGROW RX4589	117	189		19.6	23.0		63	97		23406	22757	
BO-JAC X7L	104	177	180	18.7	25.2	27.8	90	98	88	23427	24099	23570
BO-JAC X52A	124	192	200	19.4	24.2	23.3	78	95	97	23784	22287	22941
BO-JAC X523	135			19.0			76			23207		
BO-JAC X56	105	189	178	18.9	22.7	26.8	42	98	96	24006	23932	21532
BO-JAC X83	156	194	202	19.4	25.6	26.2	80	99	98	23997	23545	21877
BO-JAC X193	138			19.0			85			24001		
BO-JAC X347	114			17.5			28			23932		
BO-JAC X347	116			17.6			87			23539		
BO-JAC X923	146			20.5			54			24009		
CARGILL 949	104			18.7			38			23985		
CARGILL 9oB	129			19.6			78			23770		
CARGILL 979	108			20.1			69			23997		
COKER 16	151	161		20.1	22.3		81	96		23891	23339	
DEKALB XL 72A	111			19.2			33			24002		
DEKALB XL 723*	149	174		19.4	25.4		96	99		22848	23958	
DEKALB XL 75*	122	196		18.1	23.4		63	99		22728	23587	
FS 850	135			19.6			47			23767		
FS 854	110	194	175	21.0	27.3	28.1	73	96	94	22727	23451	22393
FS 8s0	108		151	21.3		27.8	26		92	23543		21556
FS 884	105	163		20.6	26.0		69	98		23550	23789	
FUNKS G-4507	127	172	176	19.0	21.5	27.7	42	97	94	23991	21810	22296
FUNKS G-4520	135	211		19.2	23.7		82	96		24020	23798	
FUNKS G-4574	102			18.7			30			23196		
FUNKS G-4628*	102	155	159	20.5	24.3	24.7	75	96	98	23175	23884	22082
FUNKS G-4737*	121	176	163	21.0	24.2	28.2	87	100	98	24029	24056	22812
FUNKS G-4747W	105			20.4			51			22965		
FUNKS G-5669	105	165	186	20.1	24.2	26.7	71	99	98	23310	23809	22431
MCCURDY MSX70	114	219		18.5	24.5		42	99		23660	23738	
MCCURDY MS688	120			20.8			40			23996		
MUNCY-CHIEF SX662	114	160	168	18.7	22.2	24.9	84	97	98	23191	23958	22968
MUNCY-CHIEF SX777	115	175	172	18.0	22.4	24.9	86	99	97	23432	22476	22672
MUNCY CHIEF SX6083	136	167		21.2	25.2		98	99		21384	22605	
NORTHRUP-KING PX74*	97	188	185	18.8	19.7	25.6	23	97	97	24014	23209	21396
NORTHRUP-KING PX79	124	170	171	18.9	23.5	25.9	76	98	97	24009	23447	21161
NORTHRUP-KING PX95	158	215		22.2	25.5		100	98		23765	23955	
NORTHRUP-KING PX715	162	174		21.1	26.8		92	95		23998	22842	
O'S GOLD SX5353	140			19.0			79			24001		
O'S GOLD SX5400	158			19.9			78			23653		
P.A.G. SX 17A	70			18.1			16			23863		
P.A.G. SX 98*	108	135	157	20.1	26.5	26.7	39	99	88	23648	24026	22899
PFIZER IXS 114	161	193	197	19.7	24.2	26.7	57	95	98	22967	23695	22238
PFIZER IXS 115A	139	196	193	18.9	21.6	24.2	43	99	94	23660	23491	23274
PFIZER IXS 117A	94	151		18.7	25.9		50	99		23538	24058	
PFIZER IXS 119*	123		179	20.9		24.2	67		95	23320		20833
PIONEER 3154*	155			21.6			60			23296		
PIONEER 3334A*	95	161	141	20.5	24.2	24.2	91	99	99	23307	24011	23734
PIONEER 3369A*	155	203	185	18.9	24.3	26.2	85	98	98	23653	23224	22394
POCKLINGTON P-782	111			19.7			67			23642		
POCKLINGTON P-813	81	185		19.2	23.2		53	97		23892	21098	
POCKLINGTON P-7661	129	172	171	18.3	22.9	26.7	68	97	92	24002	23277	22903
POCKLINGTON PX-8	104	185		20.8	25.0		68	98		23339	23922	
PREMIER SX633	105	164		18.8	21.4		49	100		23330	23779	
PREMIER SX655	123		171	18.7		24.9	87		95	23190		22919
PREMIER SX688	137	189	195	20.3	26.5	26.2	79	100	99	22979	23218	21745

Table 13a. — Dixon Springs, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1977	1976	1975	1977	1976	1975	1977	1976	1975	1977	1976	1975
PRINCETON SX840	144	168	205	21.0	28.3	25.9	89	99	99	23774	24004	20713
PRINCETON SX850	121	149	206	19.7	23.6	24.4	81	99	97	23534	23360	23178
PRINCETON SX910	120	185	177	21.0	28.9	27.6	83	99	96	23297	21917	23212
STURDY-GROW S/G 805A	130			20.0			66			22170		
STURDY-GROW S/G 826	148			20.9			98			23641		
STURDY-GROW S/G 847	123			19.6			74			22842		
STURDY-GROW S/G EXP. 907W	116	182		19.4	28.6		72	98		23768	23932	
STURDY-GROW S/G 935W	121			20.7			73			22971		
STURDY-GROW S/G 937W	127			21.2			73			22739		
STURDY-GROW S/G 947W	120			20.4			90			23421		
STURDY-GROW S/G 957W	137			19.8			70			24003		
SUPER-CROST S85	98			18.8			17			22999		
SUPER-CROST S85A	109			20.4			75			23082		
TAYLOR-EVANS T.E. 6947	133			20.6			78			22299		
TAYLOR-EVANS T.E. 6968	152	166		18.9	22.8		94	98		23427	23620	
TAYLOR-EVANS T.E. 6969	109	157		21.0	26.9		33	93		23879	24004	
TAYLOR-EVANS T.E. 6980	121	172		19.9	27.9		83	99		23660	23645	
TAYLOR-EVANS T.E. 6992	135	175		18.7	22.6		55	96		23430	23024	
TAYLOR-EVANS T.E. 6995	124	189		18.8	23.1		18	98		23307	23764	
U.S.S. 0555A	139			18.2			70			24003		
U.S.S. 1010	74	186		18.7	25.3		31	100		22423	23865	
WHISNAND 80	122			19.8			76			23185		
WHISNAND 81	112	182		18.2	23.2		21	98		24003	23523	
WHISNAND 82	119	191		17.6	21.8		56	93		23787	22249	
WHISNAND 85	108	171		18.8	23.8		97	99		24025	23902	
ZIMMERMAN Z-20-Y	159			21.4			75			23314		
ZIMMERMAN Z-24-Y	179		191	19.4		26.7	84		96	23757		23441
AVERAGE OF 1977 ENTRIES	122			19.7			68			23499		
L.S.D. 10% LEVEL	31			0.9			29			..		
L.S.D. 30% LEVEL	20			0.6			18			..		
C.V.	19			3.5			32			4		